Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

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: FAU 2860: Chicago Rd Over Thorn Creek Tributary Office Phone Number, if available:

Physical Site Location (address, including number and street):
709-757 Chicago Road (ISGS Site Nos. 3044V-2 and 3044V-4)

City: Chicago Heights State: IL Zip Code:

County: Cook Township:

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

Latitude: 41.51695 (Decimal Degrees) Longitude: -87.64305 (-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:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 409

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone:
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone:
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@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: FAU 2860: Chicago Rd Over Thorn Creek Tributary Latitude: 41.51695 Longitude: - 87.64305

Uncontaminated Soil 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 RB2-1 THROUGH RB2-4 WERE SAMPLED ADJACENT TO ISGS SITE Nos. 3044V-2 and 3044V-4. SEE FIGURE 3-1 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-170204-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

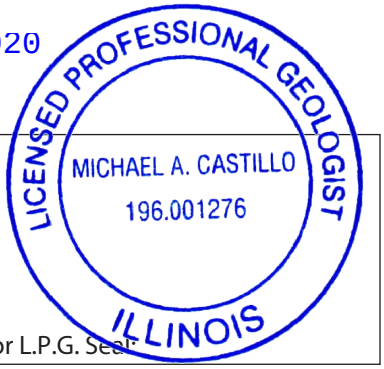
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

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

Michael A. Castillo, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 February 2020
Date:



P.E or L.P.G. Seal

Summary Table of ISGS Site No. 3044V-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 2860: Chicago Road Over Thorn Creek Tributary
Chicago Heights, Cook County, Illinois

Location	RB2-1	RB2-2	RB2-3	RB2-4	Soil Reference Concentrations[A]
Sample Date	9/17/2019	9/17/2019	9/17/2019	9/17/2019	
Field Sample ID	RB2-1(0-6)-091719	RB2-2(0-6)-091719	RB2-3(0-6)-091719	RB2-4(0-6)-091719	
ISGS Site No.	3044V-002	3044V-002	3044V-002	3044V-002	
Laboratory pH	8.8	8.4	8.1	8.0	<6.25; >9.0
VOCs (mg/kg)	**No Exceedances**				
SVOCs (mg/kg)					
2-Methylnaphthalene	ND	0.03 J	ND	ND	---
Acenaphthene	ND	0.019 J	ND	ND	570
Anthracene	ND	0.082	ND	ND	12000
Benzo(a)anthracene	0.045	0.23	0.0093 J	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.077	0.2	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.097	0.31	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.018 J	0.06	ND	ND	---
Benzo(k)fluoranthene	0.052	0.11	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	0.11 J	ND	ND	46
Chrysene	0.055	0.24	0.013 J	ND	88.00001
Dibenzo(a,h)anthracene	ND	0.033 J	ND	ND	0.09 / 0.2 / 0.42
Fluoranthene	0.11	0.5	0.028 J	0.024 J	3100
Fluorene	ND	0.028 J	ND	ND	560
Indeno(1,2,3-cd)pyrene	0.048	0.084	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	0.018 J	ND	ND	1.8
Phenanthrene	0.052	0.36	0.017 J	ND	---
Pyrene	0.07	0.45	0.015 J	0.013 J	2300
Total Metals (mg/kg)					
Antimony, Total	ND	0.41 J	0.35 J	ND	5
Arsenic, Total	6.6	8.5	7.8	8.1	11.3 / 13.0
Barium, Total	56	100	46	94	1500
Beryllium, Total	0.67	0.81	0.64	0.78	22
Cadmium, Total	0.3 J	0.47 J	0.2 J	0.34 J	5.2
Calcium, Total	22000 B	17000 B	26000 B	10000 B	---
Chromium, Total	17	20	18	19	21
Cobalt, Total	9.4	12	13	13	20
Copper, Total	20	30	24	20	2900
Iron, Total	18000	21000	20000	20000	15000 / 15900
Lead, Total	30	97	17	17	107
Magnesium, Total	12000	11000	15000	7400	325000
Manganese, Total	240	390	280	530	630 / 636
Mercury, Total	0.034 J	0.095 J	0.022 J	0.031 J	0.89
Nickel, Total	25	29	31	31	100
Potassium, Total	2000	2200	2200	2100	---
Selenium, Total	0.66 J	0.57 J	0.69 J	0.89 J	1.3
Silver, Total	3.1 B	3.4 B	3 B	3.6 B	4.4
Sodium, Total	1000	1100	740	790	---
Thallium, Total	0.96	1	1.2	1	2.6
Vanadium, Total	21	25	23	27	550
Zinc, Total	99 B	230 B	72 B	70 B	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.34 J	0.7	0.55	0.52	2
Cadmium, TCLP	ND	0.0038 J	0.0024 J	0.0023 J	0.005
Cobalt, TCLP	ND	0.025	0.012 J	0.032	1
Iron, TCLP	0.84	ND	ND	ND	5
Lead, TCLP	ND	0.052	ND	ND	0.0075
Manganese, TCLP	0.028	5.9	6.6	9	0.15
Nickel, TCLP	ND	0.013 J	0.013 J	0.02 J	0.1
Zinc, TCLP	0.17 J	0.43 J	ND	ND	5

Summary Table of ISGS Site No. 3044V-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 2860: Chicago Road Over Thorn Creek Tributary
Chicago Heights, Cook County, Illinois

Location	RB2-1	RB2-2	RB2-3	RB2-4	**Soil Reference Concentrations[A]**
Sample Date	9/17/2019	9/17/2019	9/17/2019	9/17/2019	
Field Sample ID	RB2-1(0-6)-091719	RB2-2(0-6)-091719	RB2-3(0-6)-091719	RB2-4(0-6)-091719	
ISGS Site No.	3044V-002	3044V-002	3044V-002	3044V-002	
SPLP Metals (mg/l)					
Arsenic, SPLP	0.079	0.067	0.039 J	0.02 J	0.05
Barium, SPLP	0.6	0.73	0.43 J	0.21 J	2
Beryllium, SPLP	0.0079	0.0077	0.0055	ND	0.004
Cadmium, SPLP	0.0025 J	0.0037 J	ND	ND	0.005
Chromium, SPLP	0.19	0.17	0.13	0.065	0.1
Cobalt, SPLP	0.056	0.066	0.056	0.022 J	1
Copper, SPLP	0.17	0.24	0.16	0.066	0.65
Iron, SPLP	210	170	140	60	5
Lead, SPLP	0.2	0.78	0.094	0.043	0.0075
Manganese, SPLP	0.87	1.2	1.4	0.4	0.15
Mercury, SPLP	0.00038	0.00088	ND	ND	0.002
Nickel, SPLP	0.2	0.18	0.15	0.057	0.1
Silver, SPLP	0.017 J	0.015 J	0.013 J	ND	0.05
Zinc, SPLP	0.84 B	1.2 B	0.37 J	ND	5

Notes:

--- - not applicable or value not available.
[A] - Soil reference
concentrations from MAC
B - Constituent detected in the laboratory blank and investigative samples.
J - Estimated concentration.
na - Cpnstituent not analyzed.
ND - Constituent not detected above the reporting limit.
Shaded values indicate concentration **exceeds** Reference Concentration.

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-170204-1
Client Project/Site: IDOT - Chicago Heights-WO 004

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

Attn: Mr. Andris Slesers

Authorized for release by:
9/28/2019 11:01:34 AM

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

Client Sample ID: RB2-1(0-6)-091719

Date Collected: 09/17/19 14:05
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-17

Matrix: Solid
Percent Solids: 81.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Chloromethane	<0.0042	*	0.0042	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*09/17/19 18:20*	*09/24/19 15:33*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/24/19 15:33*	*1*
Dibromofluoromethane	*86*		*75 - 126*	*09/17/19 18:20*	*09/24/19 15:33*	*1*
Toluene-d8 (Surr)	*85*		*75 - 124*	*09/17/19 18:20*	*09/24/19 15:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
1,4-Dichlorobenzene	<0.21		0.21	0.052	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-170204-1

Client Sample ID: RB2-1(0-6)-091719
Date Collected: 09/17/19 14:05
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-17
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	<0.41		0.41	0.093	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2,4-Dimethylphenol	<0.41		0.41	0.15	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Acenaphthene	<0.041		0.041	0.0073	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Benzo[a]anthracene	**0.045**		0.041	0.0055	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Benzo[a]pyrene	**0.077**		0.041	0.0079	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Benzo[b]fluoranthene	**0.097**		0.041	0.0088	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Benzo[g,h,i]perylene	**0.018**	**J**	0.041	0.013	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Benzo[k]fluoranthene	**0.052**		0.041	0.012	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Chrysene	**0.055**		0.041	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Fluoranthene	**0.11**		0.041	0.0076	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Fluorene	<0.041		0.041	0.0057	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Hexachlorobenzene	<0.082		0.082	0.0095	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1

Client Sample ID: RB2-1(0-6)-091719
Date Collected: 09/17/19 14:05
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-17
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	**0.048**		0.041	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Pentachlorophenol	<0.82		0.82	0.66	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Phenanthrene	**0.052**		0.041	0.0057	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1
Pyrene	**0.070**		0.041	0.0081	mg/Kg	☼	09/26/19 07:42	09/26/19 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*31 - 143*	*09/26/19 07:42*	*09/26/19 23:50*	*1*
2-Fluorobiphenyl	*85*		*43 - 145*	*09/26/19 07:42*	*09/26/19 23:50*	*1*
2-Fluorophenol	*115*		*31 - 166*	*09/26/19 07:42*	*09/26/19 23:50*	*1*
Nitrobenzene-d5	*87*		*37 - 147*	*09/26/19 07:42*	*09/26/19 23:50*	*1*
Phenol-d5	*90*		*30 - 153*	*09/26/19 07:42*	*09/26/19 23:50*	*1*
Terphenyl-d14	*120*		*42 - 157*	*09/26/19 07:42*	*09/26/19 23:50*	*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		09/23/19 08:32	09/24/19 04:40	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 04:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 04:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 04:40	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:40	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:40	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:40	1
Iron	**0.84**		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 04:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 04:40	1
Manganese	**0.028**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:40	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:40	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 04:40	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:40	1
Zinc	**0.17**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 04:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.079**		0.050	0.010	mg/L		09/23/19 08:29	09/24/19 06:48	1
Barium	**0.60**		0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:48	1
Beryllium	**0.0079**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:48	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:48	1
Chromium	**0.19**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:48	1
Cobalt	**0.056**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:48	1
Copper	**0.17**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:48	1
Iron	**210**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:48	1
Lead	**0.20**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:48	1
Manganese	**0.87**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:48	1
Nickel	**0.20**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:48	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:48	1

Client Sample ID: RB2-1(0-6)-091719

Date Collected: 09/17/19 14:05
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-17

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	0.017	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:48	1
Zinc	0.84	B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:48	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Arsenic	6.6		0.58	0.20	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Barium	56		0.58	0.066	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Beryllium	0.67		0.23	0.054	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Cadmium	0.30	B	0.12	0.021	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Calcium	22000	B	12	2.0	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Chromium	17		0.58	0.29	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Cobalt	9.4		0.29	0.076	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Copper	20		0.58	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Iron	18000		12	6.1	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Lead	30		0.29	0.13	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Magnesium	12000		5.8	2.9	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Manganese	240		0.58	0.085	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Nickel	25		0.58	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Potassium	2000		29	10	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Selenium	0.66	B	0.58	0.34	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Silver	3.1	B	0.29	0.075	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Sodium	1000		58	8.6	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Thallium	0.96		0.58	0.29	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Vanadium	21		0.29	0.069	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1
Zinc	99	B	1.2	0.51	mg/Kg	☼	09/26/19 10:01	09/26/19 19:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 10:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00038		0.00033	0.00033	mg/L		09/24/19 10:40	09/25/19 10:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.020	0.0067	mg/Kg	☼	09/25/19 14:35	09/26/19 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			09/24/19 15:45	1

Client Sample ID: RB2-2(0-6)-091719

Date Collected: 09/17/19 14:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-18

Matrix: Solid
Percent Solids: 82.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
1,1-Dichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Acetone	**0.044**		0.020	0.0085	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Bromoform	<0.0020		0.0020	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Bromomethane	<0.0049		0.0049	0.0019	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Chlorobenzene	<0.0020		0.0020	0.00072	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Chloroethane	<0.0049		0.0049	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Chloromethane	<0.0049	*	0.0049	0.0020	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Ethylbenzene	<0.0020		0.0020	0.00094	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Methyl Ethyl Ketone	**0.011**		0.0049	0.0022	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
methyl isobutyl ketone	<0.0049		0.0049	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Toluene	<0.0020		0.0020	0.00049	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00087	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Trichloroethene	<0.0020		0.0020	0.00066	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Vinyl chloride	<0.0020		0.0020	0.00087	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1
Xylenes, Total	<0.0039		0.0039	0.00063	mg/Kg	☼	09/17/19 18:20	09/24/19 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*09/17/19 18:20*	*09/24/19 15:58*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/24/19 15:58*	*1*
Dibromofluoromethane	*85*		*75 - 126*	*09/17/19 18:20*	*09/24/19 15:58*	*1*
Toluene-d8 (Surr)	*87*		*75 - 124*	*09/17/19 18:20*	*09/24/19 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	<0.20		0.20	0.043	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1

Client Sample ID: RB2-2(0-6)-091719
Date Collected: 09/17/19 14:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-18
Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.091	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2-Methylnaphthalene	**0.030**	**J**	0.080	0.0073	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Acenaphthene	**0.019**	**J**	0.039	0.0071	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Anthracene	**0.082**		0.039	0.0066	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Benzo[a]anthracene	**0.23**		0.039	0.0053	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Benzo[a]pyrene	**0.20**		0.039	0.0077	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Benzo[b]fluoranthene	**0.31**		0.039	0.0086	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Benzo[g,h,i]perylene	**0.060**		0.039	0.013	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Benzo[k]fluoranthene	**0.11**		0.039	0.012	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Bis(2-ethylhexyl) phthalate	**0.11**	**J**	0.20	0.073	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Chrysene	**0.24**		0.039	0.011	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Dibenz(a,h)anthracene	**0.033**	**J**	0.039	0.0077	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Fluoranthene	**0.50**		0.039	0.0074	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Fluorene	**0.028**	**J**	0.039	0.0056	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1

Client Sample ID: RB2-2(0-6)-091719
Date Collected: 09/17/19 14:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-18
Matrix: Solid
Percent Solids: 82.4

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	**0.084**		0.039	0.010	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Naphthalene	**0.018**	**J**	0.039	0.0061	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Phenanthrene	**0.36**		0.039	0.0055	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1
Pyrene	**0.45**		0.039	0.0079	mg/Kg	☼	09/26/19 07:42	09/27/19 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*31 - 143*	*09/26/19 07:42*	*09/27/19 00:19*	*1*
2-Fluorobiphenyl	*80*		*43 - 145*	*09/26/19 07:42*	*09/27/19 00:19*	*1*
2-Fluorophenol	*121*		*31 - 166*	*09/26/19 07:42*	*09/27/19 00:19*	*1*
Nitrobenzene-d5	*82*		*37 - 147*	*09/26/19 07:42*	*09/27/19 00:19*	*1*
Phenol-d5	*81*		*30 - 153*	*09/26/19 07:42*	*09/27/19 00:19*	*1*
Terphenyl-d14	*112*		*42 - 157*	*09/26/19 07:42*	*09/27/19 00:19*	*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		09/23/19 08:32	09/24/19 04:44	1
Barium	**0.70**		0.50	0.050	mg/L		09/23/19 08:32	09/24/19 04:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 04:44	1
Cadmium	**0.0038**	**J**	0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 04:44	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:44	1
Cobalt	**0.025**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:44	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:44	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 04:44	1
Lead	**0.052**		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 04:44	1
Manganese	**5.9**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:44	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:44	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 04:44	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:44	1
Zinc	**0.43**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 04:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.067**		0.050	0.010	mg/L		09/23/19 08:29	09/24/19 06:52	1
Barium	**0.73**		0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:52	1
Beryllium	**0.0077**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:52	1
Cadmium	**0.0037**	**J**	0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:52	1
Chromium	**0.17**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:52	1
Cobalt	**0.066**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:52	1
Copper	**0.24**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:52	1
Iron	**170**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:52	1
Lead	**0.78**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:52	1
Manganese	**1.2**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:52	1
Nickel	**0.18**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:52	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:52	1

Client Sample ID: RB2-2(0-6)-091719

Date Collected: 09/17/19 14:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-18

Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.015	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:52	1
Zinc	1.2	B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:52	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	☼	09/26/19 10:01	09/26/19 19:14	1
Arsenic	8.5		0.56	0.19	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Barium	100		0.56	0.064	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Beryllium	0.81		0.22	0.052	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Cadmium	0.47	B	0.11	0.020	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Calcium	17000	B	11	1.9	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Chromium	20		0.56	0.28	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Cobalt	12		0.28	0.073	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Copper	30		0.56	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Iron	21000		11	5.8	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Lead	97		0.28	0.13	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Magnesium	11000		5.6	2.8	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Manganese	390		0.56	0.081	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Nickel	29		0.56	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Potassium	2200		28	9.9	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Selenium	0.57	B	0.56	0.33	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Silver	3.4	B	0.28	0.072	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Sodium	1100		56	8.3	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Thallium	1.0		0.56	0.28	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Vanadium	25		0.28	0.066	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1
Zinc	230	B	1.1	0.49	mg/Kg	☼	09/26/19 10:01	09/26/19 19:14	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 10:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00088		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 10:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.095		0.019	0.0063	mg/Kg	☼	09/25/19 14:35	09/26/19 07:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			09/24/19 15:47	1

Client Sample ID: RB2-3(0-6)-091719

Date Collected: 09/17/19 14:30
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-19

Matrix: Solid
Percent Solids: 82.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Acetone	**0.0091**	**J**	0.016	0.0070	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Chloromethane	<0.0040	*	0.0040	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*	*09/17/19 18:20*	*09/24/19 16:24*	*1*
4-Bromofluorobenzene (Surr)	*89*		*75 - 131*	*09/17/19 18:20*	*09/24/19 16:24*	*1*
Dibromofluoromethane	*84*		*75 - 126*	*09/17/19 18:20*	*09/24/19 16:24*	*1*
Toluene-d8 (Surr)	*86*		*75 - 124*	*09/17/19 18:20*	*09/24/19 16:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-170204-1

Client Sample ID: RB2-3(0-6)-091719
Date Collected: 09/17/19 14:30
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-19
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Benzo[a]anthracene	**0.0093**	**J**	0.040	0.0054	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Chrysene	**0.013**	**J**	0.040	0.011	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Fluoranthene	**0.028**	**J**	0.040	0.0075	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1

Client Sample ID: RB2-3(0-6)-091719

Date Collected: 09/17/19 14:30
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-19

Matrix: Solid
Percent Solids: 82.5

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	<0.040		0.040	0.010	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Phenanthrene	**0.017**	**J**	0.040	0.0056	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1
Pyrene	**0.015**	**J**	0.040	0.0080	mg/Kg	☼	09/26/19 07:42	09/27/19 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*31 - 143*	*09/26/19 07:42*	*09/27/19 00:48*	*1*
2-Fluorobiphenyl	*58*		*43 - 145*	*09/26/19 07:42*	*09/27/19 00:48*	*1*
2-Fluorophenol	*71*		*31 - 166*	*09/26/19 07:42*	*09/27/19 00:48*	*1*
Nitrobenzene-d5	*53*		*37 - 147*	*09/26/19 07:42*	*09/27/19 00:48*	*1*
Phenol-d5	*57*		*30 - 153*	*09/26/19 07:42*	*09/27/19 00:48*	*1*
Terphenyl-d14	*76*		*42 - 157*	*09/26/19 07:42*	*09/27/19 00:48*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/23/19 08:32	09/24/19 04:48	1
Barium	**0.55**		0.50	0.050	mg/L		09/23/19 08:32	09/24/19 04:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 04:48	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 04:48	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:48	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:48	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:48	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 04:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 04:48	1
Manganese	**6.6**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:48	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:48	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 04:48	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:48	1
Zinc	**0.052**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 04:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.039**	**J**	0.050	0.010	mg/L		09/23/19 08:29	09/24/19 06:56	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:56	1
Beryllium	**0.0055**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:56	1
Chromium	**0.13**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:56	1
Cobalt	**0.056**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:56	1
Copper	**0.16**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:56	1
Iron	**140**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:56	1
Lead	**0.094**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:56	1
Manganese	**1.4**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:56	1
Nickel	**0.15**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:56	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:56	1

Client Sample ID: RB2-3(0-6)-091719

Date Collected: 09/17/19 14:30
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-19

Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.013	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:56	1
Zinc	0.37	J B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.35	J	1.1	0.22	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Arsenic	7.8		0.55	0.19	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Barium	46		0.55	0.063	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Beryllium	0.64		0.22	0.052	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Cadmium	0.20	B	0.11	0.020	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Calcium	26000	B	11	1.9	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Chromium	18		0.55	0.27	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Cobalt	13		0.28	0.072	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Copper	24		0.55	0.15	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Iron	20000		11	5.8	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Lead	17		0.28	0.13	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Magnesium	15000		5.5	2.7	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Manganese	280		0.55	0.080	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Nickel	31		0.55	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Potassium	2200		28	9.8	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Selenium	0.69	B	0.55	0.33	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Silver	3.0	B	0.28	0.071	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Sodium	740		55	8.2	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Thallium	1.2		0.55	0.28	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Vanadium	23		0.28	0.065	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1
Zinc	72	B	1.1	0.49	mg/Kg	☼	09/26/19 10:01	09/26/19 19:18	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 10:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0061	mg/Kg	☼	09/25/19 14:35	09/26/19 07:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			09/24/19 15:49	1

Client Sample ID: RB2-4(0-6)-091719

Date Collected: 09/17/19 14:45
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-20

Matrix: Solid
Percent Solids: 79.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Acetone	**0.020**		0.018	0.0080	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Carbon disulfide	<0.0046		0.0046	0.00095	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Chloromethane	<0.0046	*	0.0046	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Methyl Ethyl Ketone	**0.0032**	**J**	0.0046	0.0020	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*	*09/17/19 18:20*	*09/24/19 16:49*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/24/19 16:49*	*1*
Dibromofluoromethane	*85*		*75 - 126*	*09/17/19 18:20*	*09/24/19 16:49*	*1*
Toluene-d8 (Surr)	*85*		*75 - 124*	*09/17/19 18:20*	*09/24/19 16:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1

Client Sample ID: RB2-4(0-6)-091719
Lab Sample ID: 500-170204-20
Date Collected: 09/17/19 14:45
Matrix: Solid
Date Received: 09/17/19 15:25
Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Fluoranthene	**0.024**	**J**	0.040	0.0075	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1

Client Sample ID: RB2-4(0-6)-091719

Date Collected: 09/17/19 14:45
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-20

Matrix: Solid
Percent Solids: 79.3

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	<0.040		0.040	0.010	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1
Pyrene	**0.013**	**J**	0.040	0.0080	mg/Kg	☼	09/26/19 07:42	09/27/19 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*31 - 143*	*09/26/19 07:42*	*09/27/19 01:16*	*1*
2-Fluorobiphenyl	*91*		*43 - 145*	*09/26/19 07:42*	*09/27/19 01:16*	*1*
2-Fluorophenol	*110*		*31 - 166*	*09/26/19 07:42*	*09/27/19 01:16*	*1*
Nitrobenzene-d5	*90*		*37 - 147*	*09/26/19 07:42*	*09/27/19 01:16*	*1*
Phenol-d5	*98*		*30 - 153*	*09/26/19 07:42*	*09/27/19 01:16*	*1*
Terphenyl-d14	*117*		*42 - 157*	*09/26/19 07:42*	*09/27/19 01:16*	*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		09/23/19 08:32	09/24/19 05:13	1
Barium	**0.52**		0.50	0.050	mg/L		09/23/19 08:32	09/24/19 05:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 05:13	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 05:13	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 05:13	1
Cobalt	**0.032**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 05:13	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 05:13	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 05:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 05:13	1
Manganese	**9.0**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 05:13	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		09/23/19 08:32	09/24/19 05:13	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 05:13	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 05:13	1
Zinc	**0.16**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 05:13	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		09/23/19 08:29	09/24/19 07:00	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		09/23/19 08:29	09/24/19 07:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 07:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 07:00	1
Chromium	**0.065**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 07:00	1
Cobalt	**0.022**	**J**	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 07:00	1
Copper	**0.066**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 07:00	1
Iron	**60**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 07:00	1
Lead	**0.043**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 07:00	1
Manganese	**0.40**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 07:00	1
Nickel	**0.057**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 07:00	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 07:00	1

Client Sample ID: RB2-4(0-6)-091719

Date Collected: 09/17/19 14:45
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-20

Matrix: Solid
Percent Solids: 79.3

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		09/23/19 08:29	09/24/19 07:00	1
Zinc	**0.17**	**J B**	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 07:00	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	☼	09/26/19 10:01	09/26/19 19:22	1
Arsenic	**8.1**		0.62	0.21	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Barium	**94**		0.62	0.071	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Beryllium	**0.78**		0.25	0.058	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Cadmium	**0.34**	**B**	0.12	0.022	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Calcium	**10000**	**B**	12	2.1	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Chromium	**19**		0.62	0.31	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Cobalt	**13**		0.31	0.081	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Copper	**20**		0.62	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Iron	**20000**		12	6.5	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Lead	**17**		0.31	0.14	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Magnesium	**7400**		6.2	3.1	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Manganese	**530**		0.62	0.090	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Nickel	**31**		0.62	0.18	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Potassium	**2100**		31	11	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Selenium	**0.89**	**B**	0.62	0.37	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Silver	**3.6**	**B**	0.31	0.080	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Sodium	**790**		62	9.2	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Thallium	**1.0**		0.62	0.31	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Vanadium	**27**		0.31	0.073	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1
Zinc	**70**	**B**	1.2	0.55	mg/Kg	☼	09/26/19 10:01	09/26/19 19:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 10:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 10:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**		0.019	0.0065	mg/Kg	☼	09/25/19 14:35	09/26/19 07:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			09/24/19 15:51	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-170204-1
Project/Site: IDOT - Chicago Heights-WO 004

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable 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.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Job ID: 500-170204-1
Project/Site: IDOT - Chicago Heights-WO 004

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B	5035	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: Andrs. Slessarevs
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-170204
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 004
Project Location/State: Chicago Heights, IL
Lab Project #:
Sampler: C. Pace / M. Delnio
Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP	pH					Comments
11		IT-1(0-5)-091719		1030	6	S		X	X	X	X	X					
12		RBS-1(0-5)091719		1250	6	S		X	X	X	X	X					
13		RB5-2 (0-4)-091719		1320	6	S		X	X	X	X	X					
14		RB5-2(4-8)-091719		1320	6	S		X	X	X	X	X					
15		RB5-3(0-6)-091719		1350	6	S		X	X	X	X	X					
16		RB5-3(0-6)-091719D		1350	6	S		X	X	X	X	X					
17		RB2-1(0-6)-091719		1405	6	S		X	X	X	X	X					
18		RB2-2(0-6)-091719		1420	6	S		X	X	X	X	X					
19		RB2-3(0-6)-091719		1430	6	S		X	X	X	X	X					
20		RB2-4(0-6)-091719		1445	6	S		X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	9/17/19	1505		TA	9/17/19	1525
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered X

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-4124-560 (1209)

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

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: FAU 2860: Chicago Rd Over Thorn Creek Tributary Office Phone Number, if available:

Physical Site Location (address, including number and street):
101 W. 10th Street (ISGS Site Nos. 3044V-3 adn 3044V-6)

City: Chicago Heights State: IL Zip Code:

County: Cook Township:

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

Latitude: 41.51652 (Decimal Degrees) Longitude: -87.64316 (-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:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 1,217

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone:
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone:
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@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: FAU 2860: Chicago Rd Over Thorn Creek Tributary Latitude: 41.51652 Longitude: - 87.64316

Uncontaminated Soil 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 BH-1 THROUGH BH-6 WERE SAMPLED ADJACENT TO ISGS SITE No. 3044V-3 AND 3044V-6. SEE FIGURE 3-1 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]:

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-170204-1 and 500-176433-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

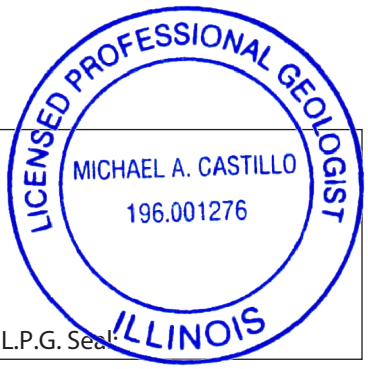
Company Name:	Weston Solutions, Inc.
Street Address:	300 Plaza Circle; Suite 202
City:	Mundelein State: IL Zip Code: 60060
Phone:	(224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Michael A Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 February 2020
Date:

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



Summary Table of ISGS Site No. 3044V-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 2860: Chicago Road Over Thorn Creek Tributary
Chicago Heights, Cook County, Illinois

Location	BH-1	BH-1	BH-1	BH-2	BH-2	BH-2	BH-3	BH-3	BH-3	BH-4	BH-5	BH-5	BH-6	Soil Reference Concentrations[A]
Sample Date	9/17/2019	1/16/2020	1/16/2020	9/17/2019	9/17/2019	1/16/2020	9/17/2019	1/16/2020	1/16/2020	9/17/2019	9/17/2019	9/17/2019	9/17/2019	
Field Sample ID	BH-1(0-5)-091719	BH-1(5-10)-011620	BH-1(10-14)-011620	BH-2(0-4)-091719	BH-2(4-9)-091719	BH-2(9-14)-011620	BH-3(0-6)-091719	BH-3(6-10)-011620	BH-3(10-14)-011620	BH-4(0-6)-091719	BH-5(0-6)-091719D	BH-5(0-6)-091719	BH-6(0-6)-091719	
ISGS Site Number	3044V-003	3044V-003	3044V-003	3044V-003	3044V-003	3044V-003	3044V-003	3044V-003	3044V-003	3044V-003	3044V-003	3044V-003	3044V-003	
Laboratory pH	7.5	8.1	8.1	7.7	7.7	8	8.5	8.3	8	8.5	8.9	8.9	8.8	<6.25; >9.0
VOCs (mg/kg)	**No Exceedances**													
SVOCs (mg/kg)	**No Exceedances**													
Total Metals (mg/kg)														
Antimony, Total	0.29 J	0.42 J	0.47 J	0.23 J	ND	0.57 J	0.42 J	0.46 J	0.44 J	0.44 J	ND	ND	0.23 J	5
Arsenic, Total	6.9	6.5	10	5.9	6.6	3.7	6.1	7.8	6.1	8.7	12	8.6	4.1	11.3 / 13.0
Barium, Total	77	56	34	56	79	51	49	36	38	24	62	47	70	1500
Beryllium, Total	0.76	1	0.67	0.75	0.76	0.87	0.58	0.6	0.75	0.56	0.9	0.79	0.82	22
Cadmium, Total	0.16 J	0.16	0.21	0.23 J	0.31 J	0.22	0.34 J	0.18	0.13	0.29 J	0.19 J	0.16 J	0.16 J	5.2
Calcium, Total	2800 B	3100	66000	26000 B	13000 B	53000	92000 B	53000	71000	47000 B	8800 J	16000 J	3300 B	---
Chromium, Total	20	24	15	20	18	20	15	13	17	14	25	24	21	21
Cobalt, Total	12	13	11	10	12	11	9	16	10	16	17	13	9.3	20
Copper, Total	20	20	17	20	22	20	17	19	14	27	27	21	16	2900
Iron, Total	20000	22000	16000	22000	19000	17000	14000	15000	17000	20000	27000	22000	20000	15000 / 15900
Lead, Total	31	17	12	15	24	13	43	17	10	18	19	17	14	107
Magnesium, Total	3800	5800	24000	14000	7800	20000	54000	22000	25000	23000	9100	12000	4200	325000
Manganese, Total	310	230	280	250	300	320	320	400	330	400	300	200	120	630 / 636
Mercury, Total	0.03 J	0.024	0.014 J	0.018 J	0.031 J	0.016 J	0.058 J	0.016 J	0.013 J	0.02 J	0.032 J	0.022 J	0.033 J	0.89
Nickel, Total	27	33	27	30	27	33	21	28	28	36	40	34	26	100
Potassium, Total	1700	3000	2300	2500	2000	3300	1800	1900	2800	2300	2600	2600	1300	---
Selenium, Total	0.66 J	ND	0.35 J	0.84 J	0.86 J	ND	0.85 J	ND	ND	ND	ND	0.84 J	0.61 J	1.3
Silver, Total	4.2 B	4.4	2.7	3.7 B	3.8 B	3.1	2.2 B	2.7	2.6	2.6 B	4.6 B	4 B	3.6 B	4.4
Sodium, Total	380	130 B	130 B	110	130	290 B	1100	690 B	370 B	1100	1400	1400	1300	---
Thallium, Total	1.3	0.33 J	ND	1.2	1.2	ND	0.45 J	ND	ND	1.4	1.5	1.3	1	2.6
Vanadium, Total	26	29	19	24	23	25	18	19	21	16	30	26	22	550
Zinc, Total	74 B	83	50	76 B	94 B	66	72 B	43	47	77 B	68 B	63 B	67 B	5100
TCLP Metals (mg/l)														
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	0.01 J	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.19 J	0.29 J	0.43 J	0.37 J	0.47 J	0.58	0.48 J	0.45 J	0.76	0.3 J	0.36 J	0.38 J	0.19 J	2
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	0.0037 J	ND	ND	0.0022 J	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	0.032	ND	ND	0.037	0.051	ND	ND	ND	ND	ND	ND	1
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	0.018	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	ND	0.24	2.8	0.018 J	0.023 J	2.1	6.8	1.7	2.4	0.33	0.85	0.86	0.32	0.15
Nickel, TCLP	ND	ND	0.068	ND	ND	0.078	0.026	0.013 J	ND	ND	ND	ND	ND	0.1
Zinc, TCLP	ND	ND	ND	ND	ND	ND	0.21 J	ND	ND	ND	ND	ND	ND	5
SPLP Metals (mg/l)														
Arsenic, SPLP	0.042 J	0.071	0.02 J	0.027 J	0.016 J	0.015 J	0.11	0.08	0.013 J	0.11	0.1	0.095	0.063	0.05
Barium, SPLP	0.63	0.39 J	0.21 J	0.28 J	0.3 J	0.3 J	0.64	0.33 J	0.18 J	0.34 J	0.75	0.64	0.69	2
Beryllium, SPLP	0.0073	0.0074	ND	ND	ND	0.0046	0.0082	0.0055	ND	0.0079	0.011	0.0092	0.0097	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	0.0026 J	ND	ND	0.0022 J	0.0021 J	ND	ND	0.005
Chromium, SPLP	0.19	0.15	0.058	0.088	0.072	0.1	0.2	0.11	0.048	0.17	0.32	0.26	0.3	0.1
Cobalt, SPLP	0.033	0.036	0.027	0.02 J	0.019 J	0.037	0.071	0.04	0.017 J	0.071	0.08	0.074	0.058	1
Copper, SPLP	0.14	0.14	0.049	0.075	0.059	0.078	0.21	0.14	0.029	0.22	0.23	0.21	0.17	0.65
Iron, SPLP	170	210	51	88	64	67	220	130	34	210	260	240	240	5
Lead, SPLP	0.082	0.085	0.04	0.04	0.045	0.06	0.29	0.09	0.029	0.19	0.13	0.13	0.16	0.0075
Manganese, SPLP	0.5	0.51	0.53	0.35	0.36	0.55	1.2	0.65	0.3	0.97	0.9	0.8	0.59	0.15
Mercury, SPLP	0.00024	0.00036	ND	ND	ND	ND	0.00026	ND	ND	0.00023	ND	ND	0.0005	0.002
Nickel, SPLP	0.15	0.15	0.065	0.078	0.056	0.1	0.22	0.15	0.047	0.23	0.29	0.26	0.19	0.1
Silver, SPLP	0.012 J	0.012 J	ND	ND	ND	ND	0.019 J	ND	ND	0.012 J	0.024 J	0.023 J	0.018 J	0.05
Zinc, SPLP	0.43 J	0.45 J	0.13 J	ND	ND	0.23 J	0.62 B	0.28 J	ND	0.74 B	0.57 B	0.55 B	0.7 B	5

Notes:

--- - not applicable or value not available.
[A] - Soil reference
concentrations from MAC
B - Constituent detected in the laboratory blank and investigative samples.
J - Estimated concentration.
na - Cpnstituent not analyzed.
ND - Constituent not detected above the reporting limit.
Shaded values indicate concentration **exceeds** Reference Concentration.

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-170204-1
Client Project/Site: IDOT - Chicago Heights-WO 004

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

Attn: Mr. Andris Slesers

Authorized for release by:
9/28/2019 11:01:34 AM

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

Client Sample ID: BH-6(0-6)-091719

Date Collected: 09/17/19 10:25
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-3

Matrix: Solid
Percent Solids: 80.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	09/17/19 18:20	09/23/19 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*09/17/19 18:20*	*09/23/19 19:22*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/23/19 19:22*	*1*
Dibromofluoromethane	*96*		*75 - 126*	*09/17/19 18:20*	*09/23/19 19:22*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*09/17/19 18:20*	*09/23/19 19:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1

Client Sample ID: BH-6(0-6)-091719
Date Collected: 09/17/19 10:25
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-3
Matrix: Solid
Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Benzo[a]anthracene	**0.014**	**J**	0.040	0.0055	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Benzo[a]pyrene	**0.052**		0.040	0.0079	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Benzo[b]fluoranthene	**0.033**	**J**	0.040	0.0088	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Chrysene	**0.016**	**J**	0.040	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Fluoranthene	**0.038**	**J**	0.040	0.0075	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1

Client Sample ID: BH-6(0-6)-091719
Date Collected: 09/17/19 10:25
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-3
Matrix: Solid
Percent Solids: 80.1

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	<0.040		0.040	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Phenanthrene	<0.040		0.040	0.0057	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1
Pyrene	**0.019**	**J**	0.040	0.0081	mg/Kg	☼	09/26/19 07:42	09/26/19 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*31 - 143*	*09/26/19 07:42*	*09/26/19 20:29*	*1*
2-Fluorobiphenyl	*94*		*43 - 145*	*09/26/19 07:42*	*09/26/19 20:29*	*1*
2-Fluorophenol	*108*		*31 - 166*	*09/26/19 07:42*	*09/26/19 20:29*	*1*
Nitrobenzene-d5	*89*		*37 - 147*	*09/26/19 07:42*	*09/26/19 20:29*	*1*
Phenol-d5	*95*		*30 - 153*	*09/26/19 07:42*	*09/26/19 20:29*	*1*
Terphenyl-d14	*109*		*42 - 157*	*09/26/19 07:42*	*09/26/19 20:29*	*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		09/23/19 08:32	09/24/19 03:33	1
Barium	**0.19**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 03:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 03:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 03:33	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:33	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:33	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:33	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 03:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 03:33	1
Manganese	**0.32**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:33	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:33	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 03:33	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:33	1
Zinc	**0.026**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 03:33	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		09/23/19 08:29	09/24/19 05:35	1
Barium	**0.69**		0.50	0.050	mg/L		09/23/19 08:29	09/24/19 05:35	1
Beryllium	**0.0097**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 05:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 05:35	1
Chromium	**0.30**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:35	1
Cobalt	**0.058**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:35	1
Copper	**0.17**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:35	1
Iron	**240**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 05:35	1
Lead	**0.16**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 05:35	1
Manganese	**0.59**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:35	1
Nickel	**0.19**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:35	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 05:35	1

Client Sample ID: BH-6(0-6)-091719

Date Collected: 09/17/19 10:25
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-3

Matrix: Solid
Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.018	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:35	1
Zinc	0.70	B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 05:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.23	J	1.2	0.23	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Arsenic	4.1		0.59	0.20	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Barium	70		0.59	0.067	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Beryllium	0.82		0.23	0.055	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Cadmium	0.16	B	0.12	0.021	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Calcium	3300	B	12	2.0	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Chromium	21		0.59	0.29	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Cobalt	9.3		0.29	0.077	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Copper	16		0.59	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Iron	20000		12	6.1	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Lead	14		0.29	0.14	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Magnesium	4200		5.9	2.9	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Manganese	120		0.59	0.085	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Nickel	26		0.59	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Potassium	1300		29	10	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Selenium	0.61	B	0.59	0.34	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Silver	3.6	B	0.29	0.076	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Sodium	1300		59	8.7	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Thallium	1.0		0.59	0.29	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Vanadium	22		0.29	0.069	mg/Kg	☼	09/26/19 10:01	09/26/19 17:59	1
Zinc	67	B	1.2	0.51	mg/Kg	☼	09/26/19 10:01	09/27/19 10:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00050		0.00050	0.00050	mg/L		09/24/19 10:40	09/25/19 09:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.020	0.0067	mg/Kg	☼	09/25/19 14:35	09/26/19 07:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			09/24/19 15:03	1

Client Sample ID: BH-5(0-6)-091719

Date Collected: 09/17/19 10:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-4

Matrix: Solid
Percent Solids: 82.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Acetone	**0.0076**	**J**	0.016	0.0070	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Methylene Chloride	**0.0021**	**J**	0.0040	0.0016	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	09/17/19 18:20	09/23/19 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*	*09/17/19 18:20*	*09/23/19 19:47*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/23/19 19:47*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*09/17/19 18:20*	*09/23/19 19:47*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*09/17/19 18:20*	*09/23/19 19:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1

Client Sample ID: BH-5(0-6)-091719
Date Collected: 09/17/19 10:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-4
Matrix: Solid
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1

Client Sample ID: BH-5(0-6)-091719

Date Collected: 09/17/19 10:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-4

Matrix: Solid
Percent Solids: 82.9

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	<0.039		0.039	0.010	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	09/26/19 07:42	09/26/19 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*31 - 143*	*09/26/19 07:42*	*09/26/19 22:21*	*1*
2-Fluorobiphenyl	*90*		*43 - 145*	*09/26/19 07:42*	*09/26/19 22:21*	*1*
2-Fluorophenol	*99*		*31 - 166*	*09/26/19 07:42*	*09/26/19 22:21*	*1*
Nitrobenzene-d5	*83*		*37 - 147*	*09/26/19 07:42*	*09/26/19 22:21*	*1*
Phenol-d5	*91*		*30 - 153*	*09/26/19 07:42*	*09/26/19 22:21*	*1*
Terphenyl-d14	*101*		*42 - 157*	*09/26/19 07:42*	*09/26/19 22:21*	*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		09/23/19 08:32	09/24/19 03:37	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 03:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 03:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 03:37	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:37	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:37	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:37	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 03:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 03:37	1
Manganese	**0.86**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:37	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:37	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 03:37	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:37	1
Zinc	**0.038**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 03:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.095**		0.050	0.010	mg/L		09/23/19 08:29	09/24/19 05:39	1
Barium	**0.64**		0.50	0.050	mg/L		09/23/19 08:29	09/24/19 05:39	1
Beryllium	**0.0092**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 05:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 05:39	1
Chromium	**0.26**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:39	1
Cobalt	**0.074**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:39	1
Copper	**0.21**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:39	1
Iron	**240**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 05:39	1
Lead	**0.13**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 05:39	1
Manganese	**0.80**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:39	1
Nickel	**0.26**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:39	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 05:39	1

Client Sample ID: BH-5(0-6)-091719

Date Collected: 09/17/19 10:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-4

Matrix: Solid
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.023	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:39	1
Zinc	0.55	B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 05:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Arsenic	8.6		0.55	0.19	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Barium	47		0.55	0.063	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Beryllium	0.79		0.22	0.051	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Cadmium	0.16	B	0.11	0.020	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Calcium	16000	B	11	1.9	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Chromium	24		0.55	0.27	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Cobalt	13		0.28	0.072	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Copper	21		0.55	0.15	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Iron	22000		11	5.7	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Lead	17		0.28	0.13	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Magnesium	12000		5.5	2.7	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Manganese	200		0.55	0.080	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Nickel	34		0.55	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Potassium	2600		28	9.7	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Selenium	0.84	B	0.55	0.32	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Silver	4.0	B	0.28	0.071	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Sodium	1400		55	8.1	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Thallium	1.3		0.55	0.27	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Vanadium	26		0.28	0.065	mg/Kg	☼	09/26/19 10:01	09/26/19 18:02	1
Zinc	63	B	1.1	0.48	mg/Kg	☼	09/26/19 10:01	09/27/19 11:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00050		0.00050	0.00050	mg/L		09/24/19 10:40	09/25/19 09:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.019	0.0065	mg/Kg	☼	09/25/19 14:35	09/26/19 07:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			09/24/19 15:05	1

Client Sample ID: BH-5(0-6)-091719D

Date Collected: 09/17/19 10:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-5

Matrix: Solid
Percent Solids: 80.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
1,2-Dichloroethane	<0.0043		0.0043	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
2-Hexanone	<0.0043		0.0043	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Chloroethane	<0.0043	*	0.0043	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*09/17/19 18:20*	*09/24/19 18:05*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/24/19 18:05*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*09/17/19 18:20*	*09/24/19 18:05*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*09/17/19 18:20*	*09/24/19 18:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1

Client Sample ID: BH-5(0-6)-091719D
Date Collected: 09/17/19 10:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-5
Matrix: Solid
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1

Client Sample ID: BH-5(0-6)-091719D

Date Collected: 09/17/19 10:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-5

Matrix: Solid
Percent Solids: 80.9

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	<0.040		0.040	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Phenanthrene	<0.040		0.040	0.0057	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	09/26/19 07:42	09/26/19 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*31 - 143*	*09/26/19 07:42*	*09/26/19 22:50*	*1*
2-Fluorobiphenyl	*57*		*43 - 145*	*09/26/19 07:42*	*09/26/19 22:50*	*1*
2-Fluorophenol	*72*		*31 - 166*	*09/26/19 07:42*	*09/26/19 22:50*	*1*
Nitrobenzene-d5	*53*		*37 - 147*	*09/26/19 07:42*	*09/26/19 22:50*	*1*
Phenol-d5	*59*		*30 - 153*	*09/26/19 07:42*	*09/26/19 22:50*	*1*
Terphenyl-d14	*64*		*42 - 157*	*09/26/19 07:42*	*09/26/19 22:50*	*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		09/23/19 08:32	09/24/19 03:41	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 03:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 03:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 03:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:41	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:41	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:41	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 03:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 03:41	1
Manganese	**0.85**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:41	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:41	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 03:41	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:41	1
Zinc	**0.026**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 03:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.10**		0.050	0.010	mg/L		09/23/19 08:29	09/24/19 05:52	1
Barium	**0.75**		0.50	0.050	mg/L		09/23/19 08:29	09/24/19 05:52	1
Beryllium	**0.011**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 05:52	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 05:52	1
Chromium	**0.32**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:52	1
Cobalt	**0.080**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:52	1
Copper	**0.23**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:52	1
Iron	**260**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 05:52	1
Lead	**0.13**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 05:52	1
Manganese	**0.90**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:52	1
Nickel	**0.29**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:52	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 05:52	1

Client Sample ID: BH-5(0-6)-091719D

Date Collected: 09/17/19 10:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-5

Matrix: Solid
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.024**	**J**	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:52	1
Zinc	**0.57**	**B**	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 05:52	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	☼	09/26/19 10:01	09/26/19 18:06	1
Arsenic	**12**		0.61	0.21	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Barium	**62**		0.61	0.070	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Beryllium	**0.90**		0.25	0.057	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Cadmium	**0.19**	**B**	0.12	0.022	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Calcium	**8800**	**B**	12	2.1	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Chromium	**25**		0.61	0.30	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Cobalt	**17**		0.31	0.080	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Copper	**27**		0.61	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Iron	**27000**		12	6.4	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Lead	**19**		0.31	0.14	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Magnesium	**9100**		6.1	3.0	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Manganese	**300**		0.61	0.089	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Nickel	**40**		0.61	0.18	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Potassium	**2600**		31	11	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Selenium	<0.61		0.61	0.36	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Silver	**4.6**	**B**	0.31	0.079	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Sodium	**1400**		61	9.1	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Thallium	**1.5**		0.61	0.31	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Vanadium	**30**		0.31	0.072	mg/Kg	☼	09/26/19 10:01	09/26/19 18:06	1
Zinc	**68**	**B**	1.2	0.54	mg/Kg	☼	09/26/19 10:01	09/27/19 11:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		09/24/19 10:40	09/25/19 09:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**		0.019	0.0065	mg/Kg	☼	09/25/19 14:35	09/26/19 07:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.9**		0.2	0.2	SU			09/24/19 15:07	1

Client Sample ID: BH-4(0-6)-091719

Date Collected: 09/17/19 10:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-6

Matrix: Solid
Percent Solids: 87.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Acetone	**0.017**		0.015	0.0066	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Carbon disulfide	<0.0038		0.0038	0.00078	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Chloroethane	<0.0038	*	0.0038	0.0011	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Methylene Chloride	**0.0030**	**J**	0.0038	0.0015	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☼	09/17/19 18:20	09/24/19 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*09/17/19 18:20*	*09/24/19 18:31*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/24/19 18:31*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*09/17/19 18:20*	*09/24/19 18:31*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*09/17/19 18:20*	*09/24/19 18:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1

Client Sample ID: BH-4(0-6)-091719
Date Collected: 09/17/19 10:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-6
Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2-Methylnaphthalene	<0.073		0.073	0.0066	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Carbazole	<0.18		0.18	0.090	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Chrysene	<0.036		0.036	0.0098	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1

Client Sample ID: BH-4(0-6)-091719
Date Collected: 09/17/19 10:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-6
Matrix: Solid
Percent Solids: 87.3

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	<0.036		0.036	0.0094	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Phenanthrene	<0.036		0.036	0.0050	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	09/26/19 07:42	09/26/19 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*31 - 143*	*09/26/19 07:42*	*09/26/19 23:19*	*1*
2-Fluorobiphenyl	*59*		*43 - 145*	*09/26/19 07:42*	*09/26/19 23:19*	*1*
2-Fluorophenol	*68*		*31 - 166*	*09/26/19 07:42*	*09/26/19 23:19*	*1*
Nitrobenzene-d5	*52*		*37 - 147*	*09/26/19 07:42*	*09/26/19 23:19*	*1*
Phenol-d5	*57*		*30 - 153*	*09/26/19 07:42*	*09/26/19 23:19*	*1*
Terphenyl-d14	*62*		*42 - 157*	*09/26/19 07:42*	*09/26/19 23:19*	*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		09/23/19 08:32	09/24/19 03:45	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 03:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 03:45	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 03:45	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:45	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:45	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:45	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 03:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 03:45	1
Manganese	**0.33**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:45	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:45	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 03:45	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:45	1
Zinc	**0.12**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 03:45	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		09/23/19 08:29	09/24/19 05:56	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		09/23/19 08:29	09/24/19 05:56	1
Beryllium	**0.0079**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 05:56	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 05:56	1
Chromium	**0.17**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:56	1
Cobalt	**0.071**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:56	1
Copper	**0.22**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:56	1
Iron	**210**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 05:56	1
Lead	**0.19**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 05:56	1
Manganese	**0.97**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:56	1
Nickel	**0.23**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:56	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 05:56	1

Client Sample ID: BH-4(0-6)-091719

Date Collected: 09/17/19 10:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-6

Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.012	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 05:56	1
Zinc	0.74	B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 05:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.1	0.21	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Arsenic	8.7		0.54	0.18	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Barium	24		0.54	0.061	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Beryllium	0.56		0.22	0.050	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Cadmium	0.29	B	0.11	0.019	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Calcium	47000	B	54	9.1	mg/Kg	☼	09/26/19 10:01	09/27/19 12:28	5
Chromium	14		0.54	0.27	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Cobalt	16		0.27	0.071	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Copper	27		0.54	0.15	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Iron	20000		11	5.6	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Lead	18		0.27	0.12	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Magnesium	23000		5.4	2.7	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Manganese	400		0.54	0.078	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Nickel	36		0.54	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Potassium	2300		27	9.5	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Selenium	0.47	J B	0.54	0.32	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Silver	2.6	B	0.27	0.069	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Sodium	1100		54	8.0	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Thallium	1.4		0.54	0.27	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Vanadium	16		0.27	0.064	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1
Zinc	77	B	1.1	0.47	mg/Kg	☼	09/26/19 10:01	09/26/19 18:18	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 11:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00023		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 09:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.018	0.0060	mg/Kg	☼	09/25/19 14:35	09/26/19 07:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			09/24/19 15:09	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-170204-1

Client Sample ID: BH-3(0-6)-091719
Date Collected: 09/17/19 11:05
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-7
Matrix: Solid
Percent Solids: 83.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Acetone	**0.020**		0.018	0.0077	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Chloroethane	<0.0044	*	0.0044	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1
Xylenes, Total	<0.0035		0.0035	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*09/17/19 18:20*	*09/24/19 18:57*	*1*
4-Bromofluorobenzene (Surr)	*87*		*75 - 131*	*09/17/19 18:20*	*09/24/19 18:57*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*09/17/19 18:20*	*09/24/19 18:57*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*09/17/19 18:20*	*09/24/19 18:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-170204-1

Client Sample ID: BH-3(0-6)-091719
Date Collected: 09/17/19 11:05
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-7
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Benzo[a]anthracene	**0.045**		0.039	0.0053	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Benzo[a]pyrene	**0.077**		0.039	0.0076	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Benzo[b]fluoranthene	**0.087**		0.039	0.0085	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Benzo[g,h,i]perylene	**0.022**	**J**	0.039	0.013	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Benzo[k]fluoranthene	**0.050**		0.039	0.012	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Chrysene	**0.051**		0.039	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Fluoranthene	**0.11**		0.039	0.0073	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1

Client Sample ID: BH-3(0-6)-091719
Date Collected: 09/17/19 11:05
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-7
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.050**		0.039	0.010	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Phenanthrene	**0.050**		0.039	0.0055	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1
Pyrene	**0.067**		0.039	0.0078	mg/Kg	☼	09/26/19 07:42	09/26/19 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*31 - 143*	*09/26/19 07:42*	*09/26/19 20:58*	*1*
2-Fluorobiphenyl	*69*		*43 - 145*	*09/26/19 07:42*	*09/26/19 20:58*	*1*
2-Fluorophenol	*82*		*31 - 166*	*09/26/19 07:42*	*09/26/19 20:58*	*1*
Nitrobenzene-d5	*63*		*37 - 147*	*09/26/19 07:42*	*09/26/19 20:58*	*1*
Phenol-d5	*66*		*30 - 153*	*09/26/19 07:42*	*09/26/19 20:58*	*1*
Terphenyl-d14	*81*		*42 - 157*	*09/26/19 07:42*	*09/26/19 20:58*	*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		09/23/19 08:32	09/24/19 03:49	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 03:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 03:49	1
Cadmium	**0.0037**	**J**	0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 03:49	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:49	1
Cobalt	**0.051**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:49	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:49	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 03:49	1
Lead	**0.018**		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 03:49	1
Manganese	**6.8**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:49	1
Nickel	**0.026**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:49	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 03:49	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:49	1
Zinc	**0.21**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 03:49	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		09/23/19 08:29	09/24/19 06:00	1
Barium	**0.64**		0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:00	1
Beryllium	**0.0082**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:00	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:00	1
Chromium	**0.20**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:00	1
Cobalt	**0.071**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:00	1
Copper	**0.21**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:00	1
Iron	**220**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:00	1
Lead	**0.29**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:00	1
Manganese	**1.2**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:00	1
Nickel	**0.22**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:00	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:00	1

Client Sample ID: BH-3(0-6)-091719

Date Collected: 09/17/19 11:05
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-7

Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.019	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:00	1
Zinc	0.62	B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:00	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.42	J	1.1	0.22	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Arsenic	6.1		0.56	0.19	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Barium	49		0.56	0.064	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Beryllium	0.58		0.22	0.052	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Cadmium	0.34	B	0.11	0.020	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Calcium	92000	B	56	9.5	mg/Kg	☼	09/26/19 10:01	09/27/19 12:32	5
Chromium	15		0.56	0.28	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Cobalt	9.0		0.28	0.074	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Copper	17		0.56	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Iron	14000		11	5.8	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Lead	43		0.28	0.13	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Magnesium	54000		28	14	mg/Kg	☼	09/26/19 10:01	09/27/19 12:32	5
Manganese	320		0.56	0.081	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Nickel	21		0.56	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Potassium	1800		28	9.9	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Selenium	0.85	B	0.56	0.33	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Silver	2.2	B	0.28	0.072	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Sodium	1100		56	8.3	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Thallium	0.45	J	0.56	0.28	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Vanadium	18		0.28	0.066	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1
Zinc	72	B	1.1	0.49	mg/Kg	☼	09/26/19 10:01	09/26/19 18:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 11:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00026		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 09:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.058		0.018	0.0060	mg/Kg	☼	09/25/19 14:35	09/26/19 07:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			09/24/19 15:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-170204-1

Client Sample ID: BH-2(0-4)-091719
Date Collected: 09/17/19 11:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-8
Matrix: Solid
Percent Solids: 82.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Acetone	<0.018		0.018	0.0078	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Chloroethane	<0.0045	*	0.0045	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*09/17/19 18:20*	*09/24/19 19:23*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/24/19 19:23*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*09/17/19 18:20*	*09/24/19 19:23*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*09/17/19 18:20*	*09/24/19 19:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1

Client Sample ID: BH-2(0-4)-091719
Date Collected: 09/17/19 11:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-8
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Benzo[a]anthracene	**0.010**	**J**	0.038	0.0052	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Benzo[b]fluoranthene	**0.019**	**J**	0.038	0.0083	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Benzo[g,h,i]perylene	**0.014**	**J**	0.038	0.012	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Chrysene	**0.014**	**J**	0.038	0.010	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Fluoranthene	**0.016**	**J**	0.038	0.0071	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1

Client Sample ID: BH-2(0-4)-091719

Date Collected: 09/17/19 11:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-8

Matrix: Solid
Percent Solids: 82.5

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	<0.038		0.038	0.0099	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Phenanthrene	**0.012**	**J**	0.038	0.0053	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1
Pyrene	**0.019**	**J**	0.038	0.0076	mg/Kg	☼	09/26/19 07:42	09/26/19 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*31 - 143*	*09/26/19 07:42*	*09/26/19 23:48*	*1*
2-Fluorobiphenyl	*92*		*43 - 145*	*09/26/19 07:42*	*09/26/19 23:48*	*1*
2-Fluorophenol	*100*		*31 - 166*	*09/26/19 07:42*	*09/26/19 23:48*	*1*
Nitrobenzene-d5	*84*		*37 - 147*	*09/26/19 07:42*	*09/26/19 23:48*	*1*
Phenol-d5	*96*		*30 - 153*	*09/26/19 07:42*	*09/26/19 23:48*	*1*
Terphenyl-d14	*99*		*42 - 157*	*09/26/19 07:42*	*09/26/19 23:48*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/23/19 08:32	09/24/19 03:54	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 03:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 03:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 03:54	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:54	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:54	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:54	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 03:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 03:54	1
Manganese	**0.018**	**J**	0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:54	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:54	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 03:54	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:54	1
Zinc	<0.50		0.50	0.020	mg/L		09/23/19 08:32	09/24/19 03:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.027**	**J**	0.050	0.010	mg/L		09/23/19 08:29	09/24/19 06:04	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:04	1
Chromium	**0.088**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:04	1
Cobalt	**0.020**	**J**	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:04	1
Copper	**0.075**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:04	1
Iron	**88**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:04	1
Lead	**0.040**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:04	1
Manganese	**0.35**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:04	1
Nickel	**0.078**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:04	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:04	1

Client Sample ID: BH-2(0-4)-091719

Date Collected: 09/17/19 11:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-8

Matrix: Solid
Percent Solids: 82.5

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		09/23/19 08:29	09/24/19 06:04	1
Zinc	**0.20**	**J B**	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.23**	**J**	1.2	0.23	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Arsenic	**5.9**		0.59	0.20	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Barium	**56**		0.59	0.067	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Beryllium	**0.75**		0.24	0.055	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Cadmium	**0.23**	**B**	0.12	0.021	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Calcium	**26000**	**B**	12	2.0	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Chromium	**20**		0.59	0.29	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Cobalt	**10**		0.29	0.077	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Copper	**20**		0.59	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Iron	**22000**		12	6.1	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Lead	**15**		0.29	0.14	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Magnesium	**14000**		5.9	2.9	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Manganese	**250**		0.59	0.086	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Nickel	**30**		0.59	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Potassium	**2500**		29	10	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Selenium	**0.84**	**B**	0.59	0.35	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Silver	**3.7**	**B**	0.29	0.076	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Sodium	**110**		59	8.7	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Thallium	**1.2**		0.59	0.29	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Vanadium	**24**		0.29	0.070	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1
Zinc	**76**	**B**	1.2	0.52	mg/Kg	☼	09/26/19 10:01	09/26/19 18:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 11:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 09:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**	**J**	0.020	0.0066	mg/Kg	☼	09/25/19 14:35	09/26/19 07:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			09/24/19 15:15	1

Client Sample ID: BH-2(4-9)-091719

Date Collected: 09/17/19 11:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-9

Matrix: Solid
Percent Solids: 79.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
1,1-Dichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Acetone	**0.011**	**J**	0.020	0.0085	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Bromoform	<0.0020		0.0020	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Chlorobenzene	<0.0020		0.0020	0.00072	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Chloroethane	<0.0049	*	0.0049	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Ethylbenzene	<0.0020		0.0020	0.00094	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Methyl Ethyl Ketone	<0.0049		0.0049	0.0022	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
methyl isobutyl ketone	<0.0049		0.0049	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Toluene	<0.0020		0.0020	0.00049	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00087	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Trichloroethene	<0.0020		0.0020	0.00066	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Vinyl chloride	<0.0020		0.0020	0.00087	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1
Xylenes, Total	<0.0039		0.0039	0.00063	mg/Kg	☼	09/17/19 18:20	09/24/19 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*	*09/17/19 18:20*	*09/24/19 19:49*	*1*
4-Bromofluorobenzene (Surr)	*87*		*75 - 131*	*09/17/19 18:20*	*09/24/19 19:49*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*09/17/19 18:20*	*09/24/19 19:49*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*09/17/19 18:20*	*09/24/19 19:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1

Client Sample ID: BH-2(4-9)-091719
Date Collected: 09/17/19 11:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-9
Matrix: Solid
Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Benzo[a]anthracene	**0.0095**	**J**	0.040	0.0054	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Benzo[a]pyrene	**0.0095**	**J**	0.040	0.0077	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Benzo[b]fluoranthene	**0.0088**	**J**	0.040	0.0086	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Chrysene	**0.013**	**J**	0.040	0.011	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Fluoranthene	**0.018**	**J**	0.040	0.0074	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1

Client Sample ID: BH-2(4-9)-091719

Date Collected: 09/17/19 11:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-9

Matrix: Solid
Percent Solids: 79.0

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	<0.040		0.040	0.010	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Phenanthrene	**0.012**	**J**	0.040	0.0056	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1
Pyrene	**0.018**	**J**	0.040	0.0079	mg/Kg	☼	09/26/19 07:42	09/27/19 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*31 - 143*	*09/26/19 07:42*	*09/27/19 00:16*	*1*
2-Fluorobiphenyl	*75*		*43 - 145*	*09/26/19 07:42*	*09/27/19 00:16*	*1*
2-Fluorophenol	*85*		*31 - 166*	*09/26/19 07:42*	*09/27/19 00:16*	*1*
Nitrobenzene-d5	*70*		*37 - 147*	*09/26/19 07:42*	*09/27/19 00:16*	*1*
Phenol-d5	*76*		*30 - 153*	*09/26/19 07:42*	*09/27/19 00:16*	*1*
Terphenyl-d14	*82*		*42 - 157*	*09/26/19 07:42*	*09/27/19 00:16*	*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		09/23/19 08:32	09/24/19 03:58	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 03:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 03:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 03:58	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:58	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:58	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:58	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 03:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 03:58	1
Manganese	**0.023**	**J**	0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:58	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:58	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 03:58	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 03:58	1
Zinc	**0.041**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 03:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.016**	**J**	0.050	0.010	mg/L		09/23/19 08:29	09/24/19 06:08	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:08	1
Chromium	**0.072**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:08	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:08	1
Copper	**0.059**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:08	1
Iron	**64**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:08	1
Lead	**0.045**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:08	1
Manganese	**0.36**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:08	1
Nickel	**0.056**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:08	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:08	1

Client Sample ID: BH-2(4-9)-091719

Date Collected: 09/17/19 11:35
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-9

Matrix: Solid
Percent Solids: 79.0

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		09/23/19 08:29	09/24/19 06:08	1
Zinc	**0.21**	**J B**	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Arsenic	**6.6**		0.59	0.20	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Barium	**79**		0.59	0.067	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Beryllium	**0.76**		0.24	0.055	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Cadmium	**0.31**	**B**	0.12	0.021	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Calcium	**13000**	**B**	12	2.0	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Chromium	**18**		0.59	0.29	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Cobalt	**12**		0.29	0.077	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Copper	**22**		0.59	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Iron	**19000**		12	6.1	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Lead	**24**		0.29	0.14	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Magnesium	**7800**		5.9	2.9	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Manganese	**300**		0.59	0.086	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Nickel	**27**		0.59	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Potassium	**2000**		29	10	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Selenium	**0.86**	**B**	0.59	0.35	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Silver	**3.8**	**B**	0.29	0.076	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Sodium	**130**		59	8.7	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Thallium	**1.2**		0.59	0.29	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Vanadium	**23**		0.29	0.070	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1
Zinc	**94**	**B**	1.2	0.52	mg/Kg	☼	09/26/19 10:01	09/26/19 18:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 09:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**		0.020	0.0067	mg/Kg	☼	09/25/19 14:35	09/26/19 07:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			09/24/19 15:18	1

Client Sample ID: BH-1(0-5)-091719

Date Collected: 09/17/19 12:10
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-10

Matrix: Solid
Percent Solids: 80.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Acetone	<0.018		0.018	0.0077	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Chloromethane	<0.0044	*	0.0044	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Tetrachloroethene	**0.00075**	**J**	0.0018	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*	*09/17/19 18:20*	*09/24/19 12:24*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/24/19 12:24*	*1*
Dibromofluoromethane	*84*		*75 - 126*	*09/17/19 18:20*	*09/24/19 12:24*	*1*
Toluene-d8 (Surr)	*86*		*75 - 124*	*09/17/19 18:20*	*09/24/19 12:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1

Client Sample ID: BH-1(0-5)-091719
Date Collected: 09/17/19 12:10
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-10
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	<0.39		0.39	0.090	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1

Client Sample ID: BH-1(0-5)-091719

Date Collected: 09/17/19 12:10
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-10

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	<0.039		0.039	0.010	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	09/26/19 07:42	09/27/19 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*31 - 143*	*09/26/19 07:42*	*09/27/19 00:45*	*1*
2-Fluorobiphenyl	*92*		*43 - 145*	*09/26/19 07:42*	*09/27/19 00:45*	*1*
2-Fluorophenol	*102*		*31 - 166*	*09/26/19 07:42*	*09/27/19 00:45*	*1*
Nitrobenzene-d5	*84*		*37 - 147*	*09/26/19 07:42*	*09/27/19 00:45*	*1*
Phenol-d5	*92*		*30 - 153*	*09/26/19 07:42*	*09/27/19 00:45*	*1*
Terphenyl-d14	*98*		*42 - 157*	*09/26/19 07:42*	*09/27/19 00:45*	*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		09/23/19 08:32	09/24/19 04:10	1
Barium	**0.19**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 04:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 04:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 04:10	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:10	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:10	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:10	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 04:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 04:10	1
Manganese	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:10	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:10	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 04:10	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:10	1
Zinc	<0.50		0.50	0.020	mg/L		09/23/19 08:32	09/24/19 04:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.042**	**J**	0.050	0.010	mg/L		09/23/19 08:29	09/24/19 06:12	1
Barium	**0.63**		0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:12	1
Beryllium	**0.0073**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:12	1
Chromium	**0.19**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:12	1
Cobalt	**0.033**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:12	1
Copper	**0.14**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:12	1
Iron	**170**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:12	1
Lead	**0.082**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:12	1
Manganese	**0.50**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:12	1
Nickel	**0.15**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:12	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:12	1

Client Sample ID: BH-1(0-5)-091719

Date Collected: 09/17/19 12:10
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-10

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	0.012	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:12	1
Zinc	0.43	J B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J	1.2	0.24	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Arsenic	6.9		0.61	0.21	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Barium	77		0.61	0.069	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Beryllium	0.76		0.24	0.057	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Cadmium	0.16	B	0.12	0.022	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Calcium	2800	B	12	2.1	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Chromium	20		0.61	0.30	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Cobalt	12		0.30	0.079	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Copper	20		0.61	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Iron	20000		12	6.3	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Lead	31		0.30	0.14	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Magnesium	3800		6.1	3.0	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Manganese	310		0.61	0.088	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Nickel	27		0.61	0.18	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Potassium	1700		30	11	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Selenium	0.66	B	0.61	0.36	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Silver	4.2	B	0.30	0.078	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Sodium	380		61	9.0	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Thallium	1.3		0.61	0.30	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Vanadium	26		0.30	0.071	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1
Zinc	74	B	1.2	0.53	mg/Kg	☼	09/26/19 10:01	09/26/19 18:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 11:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00024		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 09:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.020	0.0067	mg/Kg	☼	09/25/19 14:35	09/26/19 07:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			09/24/19 15:20	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-170204-1
Project/Site: IDOT - Chicago Heights-WO 004

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable 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.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Job ID: 500-170204-1
Project/Site: IDOT - Chicago Heights-WO 004

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6048
Phone: 708.534.5200 Fax: 708.534.5

500-170204 COC

(optional)

Report To
Contact: Andris Slesseys
Company:
Address:
Address:
Phone:
Fax:
E-Mail: Andris.Slesseys@WestonSolutions.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-170204

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 3.1, 4.8

Client	Client Project #	Preservative
Weston		
Project Name: IDOT 004		Parameter
Project Location/State: Chicago Heights, IL	Lab Project #	
Sampler: Pence / Max Delio	Lab PM	

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP	pH	Comments
1		BH-8(0-6)-091719	9/17/19	0945	6	S	X	X	X	X	X	
2		BH-7(0-6)-091719		1000	6	S	X	X	X	X	X	
3		BH-6(0-6)-091719		1025	6	S	X	X	X	X	X	
4		BH-5(0-6)-091719		1035	6	S	X	X	X	X	X	
5		BH-5(0-6)-091719D		1035	6	S	X	X	X	X	X	
6		BH-4(0-6)-091719		1050	6	S	X	X	X	X	X	
7		BH-3(0-6)-091719		1105	6	S	X	X	X	X	X	
8		BH-2(0-4)-091719		1135	6	S	X	X	X	X	X	
9		BH-2(4-9)-091719		1135	6	S	X	X	X	X	X	
10		BH-1(0-5)-091719		1210	6	S	X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	9/17/19	1525		TA	9/17/19	1525
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered X

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)

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-176433-1
Client Project/Site: IDOT - Chicago Heights-WO 004

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

Attn: Mr. Andris Slesers

Authorized for release by:
1/27/2020 4:13:12 PM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-176433-1

Client Sample ID: BH-3(6-10)-011620
Date Collected: 01/16/20 10:00
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-3
Matrix: Solid
Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0014		0.0014	0.00046	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00044	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00059	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
1,1-Dichloroethane	<0.0014		0.0014	0.00047	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
1,1-Dichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
1,2-Dichloroethane	<0.0035		0.0035	0.0011	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
1,2-Dichloropropane	<0.0014		0.0014	0.00036	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00049	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
2-Hexanone	<0.0035		0.0035	0.0011	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Acetone	<0.014		0.014	0.0060	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Benzene	<0.0014		0.0014	0.00035	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Bromodichloromethane	<0.0014		0.0014	0.00028	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Bromoform	<0.0014		0.0014	0.00040	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Bromomethane	<0.0035		0.0035	0.0013	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Carbon disulfide	<0.0035		0.0035	0.00072	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Carbon tetrachloride	<0.0014		0.0014	0.00040	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Chlorobenzene	<0.0014		0.0014	0.00051	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Chloroethane	<0.0035		0.0035	0.0010	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Chloroform	<0.0014		0.0014	0.00048	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Chloromethane	<0.0035		0.0035	0.0014	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00039	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00042	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Dibromochloromethane	<0.0014		0.0014	0.00045	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Ethylbenzene	<0.0014		0.0014	0.00066	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Methyl Ethyl Ketone	<0.0035		0.0035	0.0015	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
methyl isobutyl ketone	<0.0035		0.0035	0.0010	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00041	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Methylene Chloride	<0.0035		0.0035	0.0014	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Styrene	<0.0014		0.0014	0.00042	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Tetrachloroethene	<0.0014		0.0014	0.00047	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Toluene	<0.0014		0.0014	0.00035	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00061	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00049	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Trichloroethene	<0.0014		0.0014	0.00047	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Vinyl chloride	<0.0014		0.0014	0.00061	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1
Xylenes, Total	<0.0028		0.0028	0.00044	mg/Kg	☼	01/16/20 17:30	01/23/20 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*01/16/20 17:30*	*01/23/20 15:03*	*1*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*01/16/20 17:30*	*01/23/20 15:03*	*1*
Dibromofluoromethane	*91*		*75 - 126*	*01/16/20 17:30*	*01/23/20 15:03*	*1*
Toluene-d8 (Surr)	*104*		*75 - 124*	*01/16/20 17:30*	*01/23/20 15:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1

Client Sample ID: BH-3(6-10)-011620
Date Collected: 01/16/20 10:00
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-3
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
3,3'-Dichlorobenzidine	<0.20	*	0.20	0.055	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Benzo[a]anthracene	**0.0062**	**J**	0.039	0.0053	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Carbazole	<0.20	*	0.20	0.098	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1

Client Sample ID: BH-3(6-10)-011620

Date Collected: 01/16/20 10:00
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-3

Matrix: Solid
Percent Solids: 83.3

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	<0.039		0.039	0.010	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	01/23/20 11:21	01/24/20 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*31 - 143*	*01/23/20 11:21*	*01/24/20 12:42*	*1*
2-Fluorobiphenyl	*78*		*43 - 145*	*01/23/20 11:21*	*01/24/20 12:42*	*1*
2-Fluorophenol	*95*		*31 - 166*	*01/23/20 11:21*	*01/24/20 12:42*	*1*
Nitrobenzene-d5	*81*		*37 - 147*	*01/23/20 11:21*	*01/24/20 12:42*	*1*
Phenol-d5	*98*		*30 - 153*	*01/23/20 11:21*	*01/24/20 12:42*	*1*
Terphenyl-d14	*104*		*42 - 157*	*01/23/20 11:21*	*01/24/20 12:42*	*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		01/21/20 15:03	01/22/20 09:30	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		01/21/20 15:03	01/22/20 09:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/21/20 15:03	01/22/20 09:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 15:03	01/22/20 09:30	1
Chromium	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:30	1
Cobalt	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:30	1
Copper	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:30	1
Iron	<0.40		0.40	0.20	mg/L		01/21/20 15:03	01/22/20 09:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/21/20 15:03	01/22/20 09:30	1
Manganese	**1.7**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:30	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:30	1
Selenium	<0.050	*	0.050	0.020	mg/L		01/21/20 15:03	01/22/20 09:30	1
Silver	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:30	1
Zinc	<0.50	*	0.50	0.020	mg/L		01/21/20 15:03	01/22/20 09:30	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		01/21/20 14:59	01/22/20 19:25	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		01/21/20 14:59	01/22/20 19:25	1
Beryllium	**0.0055**		0.0040	0.0040	mg/L		01/21/20 14:59	01/22/20 19:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 14:59	01/22/20 19:25	1
Chromium	**0.11**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:25	1
Cobalt	**0.040**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:25	1
Copper	**0.14**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:25	1
Iron	**130**		0.40	0.20	mg/L		01/23/20 16:02	01/24/20 09:24	1
Lead	**0.090**		0.0075	0.0075	mg/L		01/21/20 14:59	01/22/20 19:25	1
Manganese	**0.65**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:25	1
Nickel	**0.15**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:25	1
Selenium	<0.050		0.050	0.020	mg/L		01/21/20 14:59	01/22/20 19:25	1

Client Sample ID: BH-3(6-10)-011620

Date Collected: 01/16/20 10:00
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-3

Matrix: Solid
Percent Solids: 83.3

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		01/21/20 14:59	01/22/20 19:25	1
Zinc	**0.28**	**J B**	0.50	0.020	mg/L		01/21/20 14:59	01/22/20 19:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.46**	**J**	1.1	0.21	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Arsenic	**7.8**		0.55	0.19	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Barium	**36**		0.55	0.062	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Beryllium	**0.60**		0.22	0.051	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Cadmium	**0.18**		0.11	0.020	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Calcium	**53000**		110	19	mg/Kg	☼	01/21/20 17:13	01/23/20 10:03	10
Chromium	**13**		0.55	0.27	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Cobalt	**16**		0.27	0.072	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Copper	**19**		0.55	0.15	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Iron	**15000**		11	5.7	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Lead	**17**		0.27	0.13	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Magnesium	**22000**		5.5	2.7	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Manganese	**400**		0.55	0.079	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Nickel	**28**		0.55	0.16	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Potassium	**1900**		27	9.7	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Silver	**2.7**		0.27	0.071	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Sodium	**690**	**B**	55	8.1	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Vanadium	**19**		0.27	0.065	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1
Zinc	**43**		1.1	0.48	mg/Kg	☼	01/21/20 17:13	01/22/20 17:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 09:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 11:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**	**J**	0.020	0.0065	mg/Kg	☼	01/21/20 12:30	01/22/20 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			01/23/20 16:01	1

Client Sample ID: BH-3(10-14)-011620

Date Collected: 01/16/20 10:10
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-4

Matrix: Solid
Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	01/16/20 17:30	01/23/20 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*	*01/16/20 17:30*	*01/23/20 15:28*	*1*
4-Bromofluorobenzene (Surr)	*111*		*75 - 131*	*01/16/20 17:30*	*01/23/20 15:28*	*1*
Dibromofluoromethane	*91*		*75 - 126*	*01/16/20 17:30*	*01/23/20 15:28*	*1*
Toluene-d8 (Surr)	*105*		*75 - 124*	*01/16/20 17:30*	*01/23/20 15:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-176433-1

Client Sample ID: BH-3(10-14)-011620
Date Collected: 01/16/20 10:10
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-4
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
3,3'-Dichlorobenzidine	<0.20	*	0.20	0.055	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1

Client Sample ID: BH-3(10-14)-011620

Date Collected: 01/16/20 10:10
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-4

Matrix: Solid
Percent Solids: 83.4

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	<0.039		0.039	0.010	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.047	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	01/23/20 11:21	01/24/20 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*31 - 143*	*01/23/20 11:21*	*01/24/20 13:07*	*1*
2-Fluorobiphenyl	*83*		*43 - 145*	*01/23/20 11:21*	*01/24/20 13:07*	*1*
2-Fluorophenol	*98*		*31 - 166*	*01/23/20 11:21*	*01/24/20 13:07*	*1*
Nitrobenzene-d5	*88*		*37 - 147*	*01/23/20 11:21*	*01/24/20 13:07*	*1*
Phenol-d5	*101*		*30 - 153*	*01/23/20 11:21*	*01/24/20 13:07*	*1*
Terphenyl-d14	*108*		*42 - 157*	*01/23/20 11:21*	*01/24/20 13:07*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/21/20 15:03	01/22/20 09:34	1
Barium	**0.76**		0.50	0.050	mg/L		01/21/20 15:03	01/22/20 09:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/21/20 15:03	01/22/20 09:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 15:03	01/22/20 09:34	1
Chromium	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:34	1
Cobalt	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:34	1
Copper	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:34	1
Iron	<0.40		0.40	0.20	mg/L		01/21/20 15:03	01/22/20 09:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/21/20 15:03	01/22/20 16:43	1
Manganese	**2.4**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:34	1
Nickel	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:34	1
Selenium	<0.050	*	0.050	0.020	mg/L		01/21/20 15:03	01/22/20 09:34	1
Silver	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:34	1
Zinc	<0.50	*	0.50	0.020	mg/L		01/21/20 15:03	01/22/20 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.013**	**J**	0.050	0.010	mg/L		01/21/20 14:59	01/22/20 19:29	1
Barium	**0.18**	**J**	0.50	0.050	mg/L		01/21/20 14:59	01/22/20 19:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/21/20 14:59	01/22/20 19:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 14:59	01/22/20 19:29	1
Chromium	**0.048**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:29	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:29	1
Copper	**0.029**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:29	1
Iron	**34**		0.40	0.20	mg/L		01/23/20 16:02	01/24/20 09:28	1
Lead	**0.029**		0.0075	0.0075	mg/L		01/21/20 14:59	01/22/20 19:29	1
Manganese	**0.30**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:29	1
Nickel	**0.047**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:29	1
Selenium	<0.050		0.050	0.020	mg/L		01/21/20 14:59	01/22/20 19:29	1

Client Sample ID: BH-3(10-14)-011620

Date Collected: 01/16/20 10:10
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-4

Matrix: Solid
Percent Solids: 83.4

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		01/21/20 14:59	01/22/20 19:29	1
Zinc	**0.076**	**J B**	0.50	0.020	mg/L		01/21/20 14:59	01/22/20 19:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.44**	**J**	1.1	0.22	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Arsenic	**6.1**		0.56	0.19	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Barium	**38**		0.56	0.064	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Beryllium	**0.75**		0.22	0.052	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Cadmium	**0.13**		0.11	0.020	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Calcium	**71000**		110	19	mg/Kg	☼	01/21/20 17:13	01/23/20 10:08	10
Chromium	**17**		0.56	0.28	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Cobalt	**10**		0.28	0.073	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Copper	**14**		0.56	0.16	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Iron	**17000**		11	5.8	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Lead	**10**		0.28	0.13	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Magnesium	**25000**		5.6	2.8	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Manganese	**330**		0.56	0.081	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Nickel	**28**		0.56	0.16	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Potassium	**2800**		28	9.9	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Silver	**2.6**		0.28	0.072	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Sodium	**370**	**B**	56	8.3	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Vanadium	**21**		0.28	0.066	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1
Zinc	**47**		1.1	0.49	mg/Kg	☼	01/21/20 17:13	01/22/20 17:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 11:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.018	0.0060	mg/Kg	☼	01/21/20 12:30	01/22/20 08:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			01/23/20 16:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-176433-1

Client Sample ID: BH-2(9-14)-011620
Date Collected: 01/16/20 10:40
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-5
Matrix: Solid
Percent Solids: 76.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00064	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00086	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
1,1-Dichloroethane	<0.0020		0.0020	0.00068	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
1,1-Dichloroethene	<0.0020		0.0020	0.00069	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
1,2-Dichloroethane	<0.0050		0.0050	0.0016	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Acetone	<0.020		0.020	0.0087	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Chlorobenzene	<0.0020		0.0020	0.00074	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Ethylbenzene	<0.0020		0.0020	0.00095	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00088	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Vinyl chloride	<0.0020		0.0020	0.00088	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg	☼	01/16/20 17:30	01/23/20 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*	*01/16/20 17:30*	*01/23/20 15:53*	*1*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*01/16/20 17:30*	*01/23/20 15:53*	*1*
Dibromofluoromethane	*90*		*75 - 126*	*01/16/20 17:30*	*01/23/20 15:53*	*1*
Toluene-d8 (Surr)	*104*		*75 - 124*	*01/16/20 17:30*	*01/23/20 15:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.22		0.22	0.047	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
1,2-Dichlorobenzene	<0.22		0.22	0.052	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
1,3-Dichlorobenzene	<0.22		0.22	0.049	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
1,4-Dichlorobenzene	<0.22		0.22	0.056	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2,2'-oxybis[1-chloropropane]	<0.22		0.22	0.050	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1

Client Sample ID: BH-2(9-14)-011620
Date Collected: 01/16/20 10:40
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-5
Matrix: Solid
Percent Solids: 76.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.43		0.43	0.099	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2,4,6-Trichlorophenol	<0.43		0.43	0.15	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2,4-Dichlorophenol	<0.43		0.43	0.10	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2,4-Dimethylphenol	<0.43		0.43	0.16	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2,4-Dinitrophenol	<0.88		0.88	0.76	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2,4-Dinitrotoluene	<0.22		0.22	0.069	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2,6-Dinitrotoluene	<0.22		0.22	0.085	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2-Chloronaphthalene	<0.22		0.22	0.048	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2-Chlorophenol	<0.22		0.22	0.074	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2-Methylnaphthalene	<0.088		0.088	0.0080	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2-Methylphenol	<0.22		0.22	0.070	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2-Nitroaniline	<0.22		0.22	0.058	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
2-Nitrophenol	<0.43		0.43	0.10	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
3 & 4 Methylphenol	<0.22		0.22	0.072	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
3,3'-Dichlorobenzidine	<0.22	*	0.22	0.061	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
3-Nitroaniline	<0.43		0.43	0.13	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
4,6-Dinitro-2-methylphenol	<0.88		0.88	0.35	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
4-Bromophenyl phenyl ether	<0.22		0.22	0.057	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
4-Chloro-3-methylphenol	<0.43		0.43	0.15	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
4-Chloroaniline	<0.88		0.88	0.20	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
4-Chlorophenyl phenyl ether	<0.22		0.22	0.051	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
4-Nitroaniline	<0.43		0.43	0.18	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
4-Nitrophenol	<0.88		0.88	0.41	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Acenaphthene	<0.043		0.043	0.0078	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Acenaphthylene	<0.043		0.043	0.0057	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Anthracene	<0.043		0.043	0.0073	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Benzo[a]anthracene	<0.043		0.043	0.0058	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Benzo[a]pyrene	<0.043		0.043	0.0084	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Benzo[b]fluoranthene	<0.043		0.043	0.0094	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Benzo[g,h,i]perylene	**0.019**	**J**	0.043	0.014	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Benzo[k]fluoranthene	<0.043		0.043	0.013	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Bis(2-chloroethoxy)methane	<0.22		0.22	0.044	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Bis(2-chloroethyl)ether	<0.22		0.22	0.065	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Bis(2-ethylhexyl) phthalate	<0.22		0.22	0.079	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Butyl benzyl phthalate	<0.22		0.22	0.083	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Carbazole	<0.22	*	0.22	0.11	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Chrysene	**0.013**	**J**	0.043	0.012	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Dibenz(a,h)anthracene	<0.043		0.043	0.0084	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Dibenzofuran	<0.22		0.22	0.051	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Diethyl phthalate	<0.22		0.22	0.074	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Dimethyl phthalate	<0.22		0.22	0.057	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Di-n-butyl phthalate	<0.22		0.22	0.066	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Di-n-octyl phthalate	<0.22		0.22	0.071	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Fluoranthene	<0.043		0.043	0.0080	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Fluorene	<0.043		0.043	0.0061	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Hexachlorobenzene	<0.088		0.088	0.010	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Hexachlorobutadiene	<0.22		0.22	0.068	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Hexachlorocyclopentadiene	<0.88		0.88	0.25	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Hexachloroethane	<0.22		0.22	0.066	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-176433-1

Client Sample ID: BH-2(9-14)-011620
Date Collected: 01/16/20 10:40
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-5
Matrix: Solid
Percent Solids: 76.3

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	<0.043		0.043	0.011	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Isophorone	<0.22		0.22	0.049	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Naphthalene	<0.043		0.043	0.0067	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Nitrobenzene	<0.043		0.043	0.011	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
N-Nitrosodi-n-propylamine	<0.088		0.088	0.053	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
N-Nitrosodiphenylamine	<0.22	*	0.22	0.051	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Pentachlorophenol	<0.88		0.88	0.70	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Phenanthrene	**0.0094**	**J**	0.043	0.0061	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Phenol	<0.22		0.22	0.096	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1
Pyrene	**0.011**	**J**	0.043	0.0086	mg/Kg	☼	01/23/20 11:21	01/24/20 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*31 - 143*	*01/23/20 11:21*	*01/24/20 19:23*	*1*
2-Fluorobiphenyl	*75*		*43 - 145*	*01/23/20 11:21*	*01/24/20 19:23*	*1*
2-Fluorophenol	*90*		*31 - 166*	*01/23/20 11:21*	*01/24/20 19:23*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*01/23/20 11:21*	*01/24/20 19:23*	*1*
Phenol-d5	*93*		*30 - 153*	*01/23/20 11:21*	*01/24/20 19:23*	*1*
Terphenyl-d14	*92*		*42 - 157*	*01/23/20 11:21*	*01/24/20 19:23*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/21/20 15:03	01/22/20 09:39	1
Barium	**0.58**		0.50	0.050	mg/L		01/21/20 15:03	01/22/20 09:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/21/20 15:03	01/22/20 09:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 15:03	01/22/20 09:39	1
Chromium	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:39	1
Cobalt	**0.037**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:39	1
Copper	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:39	1
Iron	<0.40		0.40	0.20	mg/L		01/21/20 15:03	01/22/20 09:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/21/20 15:03	01/22/20 09:39	1
Manganese	**2.1**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:39	1
Nickel	**0.078**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:39	1
Selenium	<0.050	*	0.050	0.020	mg/L		01/21/20 15:03	01/22/20 09:39	1
Silver	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:39	1
Zinc	**0.19**	**J B ***	0.50	0.020	mg/L		01/21/20 15:03	01/22/20 09:39	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		01/21/20 14:59	01/22/20 19:33	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		01/21/20 14:59	01/22/20 19:33	1
Beryllium	**0.0046**		0.0040	0.0040	mg/L		01/21/20 14:59	01/22/20 19:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 14:59	01/22/20 19:33	1
Chromium	**0.10**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:33	1
Cobalt	**0.037**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:33	1
Copper	**0.078**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:33	1
Iron	**67**		0.40	0.20	mg/L		01/23/20 16:02	01/24/20 09:32	1
Lead	**0.060**		0.0075	0.0075	mg/L		01/21/20 14:59	01/22/20 19:33	1
Manganese	**0.55**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:33	1
Nickel	**0.10**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:33	1
Selenium	<0.050		0.050	0.020	mg/L		01/21/20 14:59	01/22/20 19:33	1

Client Sample ID: BH-2(9-14)-011620

Date Collected: 01/16/20 10:40
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-5

Matrix: Solid
Percent Solids: 76.3

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		01/21/20 14:59	01/22/20 19:33	1
Zinc	**0.23**	**J B**	0.50	0.020	mg/L		01/21/20 14:59	01/22/20 19:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.57**	**J**	1.2	0.24	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Arsenic	**3.7**		0.62	0.21	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Barium	**51**		0.62	0.070	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Beryllium	**0.87**		0.25	0.058	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Cadmium	**0.22**		0.12	0.022	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Calcium	**53000**		120	21	mg/Kg	☼	01/21/20 17:13	01/23/20 10:12	10
Chromium	**20**		0.62	0.31	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Cobalt	**11**		0.31	0.081	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Copper	**20**		0.62	0.17	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Iron	**17000**		12	6.4	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Lead	**13**		0.31	0.14	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Magnesium	**20000**		6.2	3.1	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Manganese	**320**		0.62	0.090	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Nickel	**33**		0.62	0.18	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Potassium	**3300**		31	11	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Selenium	<0.62		0.62	0.36	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Silver	**3.1**		0.31	0.080	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Sodium	**290**	**B**	62	9.1	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Vanadium	**25**		0.31	0.073	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1
Zinc	**66**		1.2	0.54	mg/Kg	☼	01/21/20 17:13	01/22/20 17:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 11:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**	**J**	0.020	0.0068	mg/Kg	☼	01/21/20 12:30	01/22/20 08:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			01/23/20 16:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-176433-1

Client Sample ID: BH-1(5-10)-011620
Date Collected: 01/16/20 11:20
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-6
Matrix: Solid
Percent Solids: 75.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0021		0.0021	0.00070	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00067	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00090	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
1,1-Dichloroethane	<0.0021		0.0021	0.00072	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
1,1-Dichloroethene	<0.0021		0.0021	0.00072	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
1,2-Dichloroethane	<0.0052		0.0052	0.0016	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
1,2-Dichloropropane	<0.0021		0.0021	0.00054	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00074	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Acetone	<0.021		0.021	0.0091	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Benzene	<0.0021		0.0021	0.00053	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Bromodichloromethane	<0.0021		0.0021	0.00043	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Bromoform	<0.0021		0.0021	0.00061	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Bromomethane	<0.0052		0.0052	0.0020	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Carbon disulfide	<0.0052		0.0052	0.0011	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Carbon tetrachloride	<0.0021		0.0021	0.00061	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Chlorobenzene	<0.0021		0.0021	0.00077	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Chloroethane	<0.0052		0.0052	0.0016	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Chloroform	<0.0021		0.0021	0.00073	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Chloromethane	<0.0052		0.0052	0.0021	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00059	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00063	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Dibromochloromethane	<0.0021		0.0021	0.00068	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Ethylbenzene	<0.0021		0.0021	0.0010	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Methyl Ethyl Ketone	<0.0052		0.0052	0.0023	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
methyl isobutyl ketone	<0.0052		0.0052	0.0016	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00061	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Methylene Chloride	<0.0052		0.0052	0.0021	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Styrene	<0.0021		0.0021	0.00063	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Tetrachloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Toluene	<0.0021		0.0021	0.00053	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00093	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00074	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Trichloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Vinyl chloride	<0.0021		0.0021	0.00093	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1
Xylenes, Total	<0.0042		0.0042	0.00067	mg/Kg	☼	01/16/20 17:30	01/23/20 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/16/20 17:30*	*01/23/20 16:19*	*1*
4-Bromofluorobenzene (Surr)	*106*		*75 - 131*	*01/16/20 17:30*	*01/23/20 16:19*	*1*
Dibromofluoromethane	*92*		*75 - 126*	*01/16/20 17:30*	*01/23/20 16:19*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*01/16/20 17:30*	*01/23/20 16:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.22		0.22	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
1,2-Dichlorobenzene	<0.22		0.22	0.051	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
1,3-Dichlorobenzene	<0.22		0.22	0.048	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
1,4-Dichlorobenzene	<0.22		0.22	0.055	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2,2'-oxybis[1-chloropropane]	<0.22		0.22	0.050	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1

Client Sample ID: BH-1(5-10)-011620

Date Collected: 01/16/20 11:20
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-6

Matrix: Solid
Percent Solids: 75.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.42		0.42	0.098	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2,4,6-Trichlorophenol	<0.42		0.42	0.15	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2,4-Dinitrophenol	<0.86		0.86	0.75	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2,4-Dinitrotoluene	<0.22		0.22	0.068	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2,6-Dinitrotoluene	<0.22		0.22	0.084	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2-Chloronaphthalene	<0.22		0.22	0.047	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2-Chlorophenol	<0.22		0.22	0.073	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2-Methylnaphthalene	<0.086		0.086	0.0079	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2-Methylphenol	<0.22		0.22	0.069	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2-Nitroaniline	<0.22		0.22	0.058	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
2-Nitrophenol	<0.42		0.42	0.10	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
3 & 4 Methylphenol	<0.22		0.22	0.071	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
3,3'-Dichlorobenzidine	<0.22	*	0.22	0.060	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
4,6-Dinitro-2-methylphenol	<0.86		0.86	0.34	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
4-Bromophenyl phenyl ether	<0.22		0.22	0.056	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
4-Chloro-3-methylphenol	<0.42		0.42	0.15	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
4-Chloroaniline	<0.86		0.86	0.20	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
4-Chlorophenyl phenyl ether	<0.22		0.22	0.050	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
4-Nitrophenol	<0.86		0.86	0.41	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Acenaphthene	<0.042		0.042	0.0077	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Anthracene	<0.042		0.042	0.0071	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Benzo[a]anthracene	<0.042		0.042	0.0058	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Benzo[a]pyrene	<0.042		0.042	0.0083	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Benzo[b]fluoranthene	<0.042		0.042	0.0092	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Benzo[g,h,i]perylene	<0.042		0.042	0.014	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Benzo[k]fluoranthene	<0.042		0.042	0.013	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Bis(2-chloroethoxy)methane	<0.22		0.22	0.044	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Bis(2-chloroethyl)ether	<0.22		0.22	0.064	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Bis(2-ethylhexyl) phthalate	<0.22		0.22	0.078	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Butyl benzyl phthalate	<0.22		0.22	0.081	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Carbazole	<0.22	*	0.22	0.11	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Chrysene	<0.042		0.042	0.012	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0083	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Dibenzofuran	<0.22		0.22	0.050	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Diethyl phthalate	<0.22		0.22	0.072	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Dimethyl phthalate	<0.22		0.22	0.056	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Di-n-butyl phthalate	<0.22		0.22	0.065	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Di-n-octyl phthalate	<0.22		0.22	0.070	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Fluoranthene	<0.042		0.042	0.0079	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Fluorene	<0.042		0.042	0.0060	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Hexachlorobenzene	<0.086		0.086	0.0099	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Hexachlorobutadiene	<0.22		0.22	0.067	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Hexachlorocyclopentadiene	<0.86		0.86	0.25	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Hexachloroethane	<0.22		0.22	0.065	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1

Client Sample ID: BH-1(5-10)-011620

Date Collected: 01/16/20 11:20
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-6

Matrix: Solid
Percent Solids: 75.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.042		0.042	0.011	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Isophorone	<0.22		0.22	0.048	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Naphthalene	<0.042		0.042	0.0066	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
N-Nitrosodi-n-propylamine	<0.086		0.086	0.052	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
N-Nitrosodiphenylamine	<0.22	*	0.22	0.050	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Pentachlorophenol	<0.86		0.86	0.69	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Phenanthrene	<0.042		0.042	0.0060	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Phenol	<0.22		0.22	0.095	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1
Pyrene	<0.042		0.042	0.0085	mg/Kg	☼	01/23/20 11:21	01/24/20 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*31 - 143*	*01/23/20 11:21*	*01/24/20 13:32*	*1*
2-Fluorobiphenyl	*76*		*43 - 145*	*01/23/20 11:21*	*01/24/20 13:32*	*1*
2-Fluorophenol	*93*		*31 - 166*	*01/23/20 11:21*	*01/24/20 13:32*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*01/23/20 11:21*	*01/24/20 13:32*	*1*
Phenol-d5	*99*		*30 - 153*	*01/23/20 11:21*	*01/24/20 13:32*	*1*
Terphenyl-d14	*108*		*42 - 157*	*01/23/20 11:21*	*01/24/20 13:32*	*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		01/21/20 15:03	01/22/20 09:43	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		01/21/20 15:03	01/22/20 09:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/21/20 15:03	01/22/20 09:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 15:03	01/22/20 09:43	1
Chromium	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:43	1
Cobalt	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:43	1
Copper	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:43	1
Iron	<0.40		0.40	0.20	mg/L		01/21/20 15:03	01/22/20 09:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/21/20 15:03	01/22/20 09:43	1
Manganese	**0.24**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:43	1
Nickel	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:43	1
Selenium	<0.050	*	0.050	0.020	mg/L		01/21/20 15:03	01/22/20 09:43	1
Silver	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:43	1
Zinc	<0.50	*	0.50	0.020	mg/L		01/21/20 15:03	01/22/20 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.071**		0.050	0.010	mg/L		01/21/20 14:59	01/22/20 19:37	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		01/21/20 14:59	01/22/20 19:37	1
Beryllium	**0.0074**		0.0040	0.0040	mg/L		01/21/20 14:59	01/22/20 19:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 14:59	01/22/20 19:37	1
Chromium	**0.15**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:37	1
Cobalt	**0.036**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:37	1
Copper	**0.14**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:37	1
Iron	**210**		0.40	0.20	mg/L		01/23/20 16:02	01/24/20 09:35	1
Lead	**0.085**		0.0075	0.0075	mg/L		01/21/20 14:59	01/22/20 19:37	1
Manganese	**0.51**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:37	1
Nickel	**0.15**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:37	1
Selenium	<0.050		0.050	0.020	mg/L		01/21/20 14:59	01/22/20 19:37	1

Client Sample ID: BH-1(5-10)-011620

Date Collected: 01/16/20 11:20
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-6

Matrix: Solid
Percent Solids: 75.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.012	J	0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:37	1
Zinc	0.45	J B	0.50	0.020	mg/L		01/21/20 14:59	01/22/20 19:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.42	J	1.3	0.24	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Arsenic	6.5		0.63	0.21	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Barium	56		0.63	0.071	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Beryllium	1.0		0.25	0.058	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Cadmium	0.16		0.13	0.023	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Calcium	3100		13	2.1	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Chromium	24		0.63	0.31	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Cobalt	13		0.31	0.082	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Copper	20		0.63	0.18	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Iron	22000		13	6.5	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Lead	17		0.31	0.14	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Magnesium	5800		6.3	3.1	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Manganese	230		0.63	0.091	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Nickel	33		0.63	0.18	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Potassium	3000		31	11	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Selenium	<0.63		0.63	0.37	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Silver	4.4		0.31	0.081	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Sodium	130	B	63	9.3	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Thallium	0.33	J	0.63	0.31	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Vanadium	29		0.31	0.074	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1
Zinc	83		1.3	0.55	mg/Kg	☼	01/21/20 17:13	01/22/20 17:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00036		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 11:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.021	0.0071	mg/Kg	☼	01/21/20 12:30	01/22/20 08:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			01/23/20 16:12	1

Client Sample ID: BH-1(10-14)-011620

Date Collected: 01/16/20 11:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-7

Matrix: Solid
Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Acetone	<0.016		0.016	0.0068	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	01/16/20 17:30	01/23/20 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*01/16/20 17:30*	*01/23/20 16:44*	*1*
4-Bromofluorobenzene (Surr)	*109*		*75 - 131*	*01/16/20 17:30*	*01/23/20 16:44*	*1*
Dibromofluoromethane	*87*		*75 - 126*	*01/16/20 17:30*	*01/23/20 16:44*	*1*
Toluene-d8 (Surr)	*103*		*75 - 124*	*01/16/20 17:30*	*01/23/20 16:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1

Client Sample ID: BH-1(10-14)-011620
Date Collected: 01/16/20 11:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-7
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	<0.39		0.39	0.090	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
3,3'-Dichlorobenzidine	<0.20	*	0.20	0.055	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Hexachlorobenzene	<0.080		0.080	0.0091	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1

Client Sample ID: BH-1(10-14)-011620

Date Collected: 01/16/20 11:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-7

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	<0.039		0.039	0.010	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.047	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	01/23/20 11:21	01/24/20 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*52*		*31 - 143*	*01/23/20 11:21*	*01/24/20 13:57*	*1*
2-Fluorobiphenyl	*61*		*43 - 145*	*01/23/20 11:21*	*01/24/20 13:57*	*1*
2-Fluorophenol	*73*		*31 - 166*	*01/23/20 11:21*	*01/24/20 13:57*	*1*
Nitrobenzene-d5	*64*		*37 - 147*	*01/23/20 11:21*	*01/24/20 13:57*	*1*
Phenol-d5	*80*		*30 - 153*	*01/23/20 11:21*	*01/24/20 13:57*	*1*
Terphenyl-d14	*96*		*42 - 157*	*01/23/20 11:21*	*01/24/20 13:57*	*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		01/21/20 15:03	01/22/20 09:48	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		01/21/20 15:03	01/22/20 09:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/21/20 15:03	01/22/20 09:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 15:03	01/22/20 09:48	1
Chromium	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:48	1
Cobalt	**0.032**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:48	1
Copper	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:48	1
Iron	<0.40		0.40	0.20	mg/L		01/21/20 15:03	01/22/20 09:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/21/20 15:03	01/22/20 16:47	1
Manganese	**2.8**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:48	1
Nickel	**0.068**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 16:47	1
Selenium	<0.050	*	0.050	0.020	mg/L		01/21/20 15:03	01/22/20 09:48	1
Silver	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:48	1
Zinc	**0.11**	**J B ***	0.50	0.020	mg/L		01/21/20 15:03	01/22/20 09:48	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		01/21/20 14:59	01/22/20 19:41	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		01/21/20 14:59	01/22/20 19:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/21/20 14:59	01/22/20 19:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 14:59	01/22/20 19:41	1
Chromium	**0.058**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:41	1
Cobalt	**0.027**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:41	1
Copper	**0.049**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:41	1
Iron	**51**		0.40	0.20	mg/L		01/23/20 16:02	01/24/20 09:39	1
Lead	**0.040**		0.0075	0.0075	mg/L		01/21/20 14:59	01/22/20 19:41	1
Manganese	**0.53**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:41	1
Nickel	**0.065**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:41	1
Selenium	<0.050		0.050	0.020	mg/L		01/21/20 14:59	01/22/20 19:41	1

Client Sample ID: BH-1(10-14)-011620

Date Collected: 01/16/20 11:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-7

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		01/21/20 14:59	01/22/20 19:41	1
Zinc	**0.13**	**J B**	0.50	0.020	mg/L		01/21/20 14:59	01/22/20 19:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.47**	**J**	1.2	0.23	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Arsenic	**10**		0.58	0.20	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Barium	**34**		0.58	0.066	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Beryllium	**0.67**		0.23	0.054	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Cadmium	**0.21**		0.12	0.021	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Calcium	**66000**		120	20	mg/Kg	☼	01/21/20 17:13	01/23/20 10:16	10
Chromium	**15**		0.58	0.29	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Cobalt	**11**		0.29	0.076	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Copper	**17**		0.58	0.16	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Iron	**16000**		12	6.0	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Lead	**12**		0.29	0.13	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Magnesium	**24000**		5.8	2.9	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Manganese	**280**		0.58	0.084	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Nickel	**27**		0.58	0.17	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Potassium	**2300**		29	10	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Selenium	**0.35**	**J**	0.58	0.34	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Silver	**2.7**		0.29	0.075	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Sodium	**130**	**B**	58	8.6	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Vanadium	**19**		0.29	0.068	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1
Zinc	**50**		1.2	0.51	mg/Kg	☼	01/21/20 17:13	01/22/20 18:02	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 09:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 11:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.014**	**J**	0.019	0.0063	mg/Kg	☼	01/21/20 12:30	01/22/20 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			01/23/20 16:15	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176433-1
Project/Site: IDOT - Chicago Heights-WO 004

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
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.

Metals

Qualifier	Qualifier Description
*	LCS or LCSD 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.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-176433-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6010B	3010A	Solid	Arsenic
6010B	3010A	Solid	Barium
6010B	3010A	Solid	Beryllium
6010B	3010A	Solid	Cadmium
6010B	3010A	Solid	Chromium
6010B	3010A	Solid	Cobalt
6010B	3010A	Solid	Copper
6010B	3010A	Solid	Iron
6010B	3010A	Solid	Lead
6010B	3010A	Solid	Manganese
6010B	3010A	Solid	Nickel
6010B	3010A	Solid	Selenium
6010B	3010A	Solid	Silver
6010B	3010A	Solid	Zinc
6010B	3050B	Solid	Antimony
6010B	3050B	Solid	Arsenic
6010B	3050B	Solid	Barium
6010B	3050B	Solid	Beryllium
6010B	3050B	Solid	Cadmium
6010B	3050B	Solid	Calcium
6010B	3050B	Solid	Chromium
6010B	3050B	Solid	Cobalt
6010B	3050B	Solid	Copper
6010B	3050B	Solid	Iron
6010B	3050B	Solid	Lead
6010B	3050B	Solid	Magnesium
6010B	3050B	Solid	Manganese
6010B	3050B	Solid	Nickel
6010B	3050B	Solid	Potassium
6010B	3050B	Solid	Selenium
6010B	3050B	Solid	Silver
6010B	3050B	Solid	Sodium
6010B	3050B	Solid	Thallium
6010B	3050B	Solid	Vanadium
6010B	3050B	Solid	Zinc
7470A	7470A	Solid	Mercury
7471B	7471B	Solid	Mercury
8260B	5035	Solid	1,1,1-Trichloroethane
8260B	5035	Solid	1,1,2,2-Tetrachloroethane
8260B	5035	Solid	1,1,2-Trichloroethane
8260B	5035	Solid	1,1-Dichloroethane
8260B	5035	Solid	1,1-Dichloroethene
8260B	5035	Solid	1,2-Dichloroethane
8260B	5035	Solid	1,2-Dichloropropane
8260B	5035	Solid	1,3-Dichloropropene, Total

Laboratory: Eurofins TestAmerica, Chicago (Continued)

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-20

8260B	5035	Solid	2-Hexanone
8260B	5035	Solid	Acetone
8260B	5035	Solid	Benzene
8260B	5035	Solid	Bromodichloromethane
8260B	5035	Solid	Bromoform
8260B	5035	Solid	Bromomethane
8260B	5035	Solid	Carbon disulfide
8260B	5035	Solid	Carbon tetrachloride
8260B	5035	Solid	Chlorobenzene
8260B	5035	Solid	Chloroethane
8260B	5035	Solid	Chloroform
8260B	5035	Solid	Chloromethane
8260B	5035	Solid	cis-1,2-Dichloroethene
8260B	5035	Solid	cis-1,3-Dichloropropene
8260B	5035	Solid	Dibromochloromethane
8260B	5035	Solid	Dibromofluoromethane
8260B	5035	Solid	Ethylbenzene
8260B	5035	Solid	Methyl Ethyl Ketone
8260B	5035	Solid	methyl isobutyl ketone
8260B	5035	Solid	Methyl tert-butyl ether
8260B	5035	Solid	Methylene Chloride
8260B	5035	Solid	Styrene
8260B	5035	Solid	Tetrachloroethene
8260B	5035	Solid	Toluene
8260B	5035	Solid	trans-1,2-Dichloroethene
8260B	5035	Solid	trans-1,3-Dichloropropene
8260B	5035	Solid	Trichloroethene
8260B	5035	Solid	Vinyl chloride
8260B	5035	Solid	Xylenes, Total
8270D	3541	Solid	1,2,4-Trichlorobenzene
8270D	3541	Solid	1,2-Dichlorobenzene
8270D	3541	Solid	1,3-Dichlorobenzene
8270D	3541	Solid	1,4-Dichlorobenzene
8270D	3541	Solid	2,2'-oxybis[1-chloropropane]
8270D	3541	Solid	2,4,5-Trichlorophenol
8270D	3541	Solid	2,4,6-Trichlorophenol
8270D	3541	Solid	2,4-Dichlorophenol
8270D	3541	Solid	2,4-Dimethylphenol
8270D	3541	Solid	2,4-Dinitrophenol
8270D	3541	Solid	2,4-Dinitrotoluene
8270D	3541	Solid	2,6-Dinitrotoluene
8270D	3541	Solid	2-Chloronaphthalene
8270D	3541	Solid	2-Chlorophenol
8270D	3541	Solid	2-Methylnaphthalene
8270D	3541	Solid	2-Methylphenol
8270D	3541	Solid	2-Nitroaniline
8270D	3541	Solid	2-Nitrophenol
8270D	3541	Solid	3 & 4 Methylphenol
8270D	3541	Solid	3,3'-Dichlorobenzidine

Laboratory: Eurofins TestAmerica, Chicago (Continued)

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-20

8270D	3541	Solid	3-Nitroaniline
8270D	3541	Solid	4,6-Dinitro-2-methylphenol
8270D	3541	Solid	4-Bromophenyl phenyl ether
8270D	3541	Solid	4-Chloro-3-methylphenol
8270D	3541	Solid	4-Chloroaniline
8270D	3541	Solid	4-Chlorophenyl phenyl ether
8270D	3541	Solid	4-Nitroaniline
8270D	3541	Solid	4-Nitrophenol
8270D	3541	Solid	Acenaphthene
8270D	3541	Solid	Acenaphthylene
8270D	3541	Solid	Anthracene
8270D	3541	Solid	Benzo[a]anthracene
8270D	3541	Solid	Benzo[a]pyrene
8270D	3541	Solid	Benzo[b]fluoranthene
8270D	3541	Solid	Benzo[g,h,i]perylene
8270D	3541	Solid	Benzo[k]fluoranthene
8270D	3541	Solid	Bis(2-chloroethoxy)methane
8270D	3541	Solid	Bis(2-chloroethyl)ether
8270D	3541	Solid	Bis(2-ethylhexyl) phthalate
8270D	3541	Solid	Butyl benzyl phthalate
8270D	3541	Solid	Carbazole
8270D	3541	Solid	Chrysene
8270D	3541	Solid	Dibenz(a,h)anthracene
8270D	3541	Solid	Dibenzofuran
8270D	3541	Solid	Diethyl phthalate
8270D	3541	Solid	Dimethyl phthalate
8270D	3541	Solid	Di-n-butyl phthalate
8270D	3541	Solid	Di-n-octyl phthalate
8270D	3541	Solid	Fluoranthene
8270D	3541	Solid	Fluorene
8270D	3541	Solid	Hexachlorobenzene
8270D	3541	Solid	Hexachlorobutadiene
8270D	3541	Solid	Hexachlorocyclopentadiene
8270D	3541	Solid	Hexachloroethane
8270D	3541	Solid	Indeno[1,2,3-cd]pyrene
8270D	3541	Solid	Isophorone
8270D	3541	Solid	Naphthalene
8270D	3541	Solid	Nitrobenzene
8270D	3541	Solid	N-Nitrosodi-n-propylamine
8270D	3541	Solid	N-Nitrosodiphenylamine
8270D	3541	Solid	Pentachlorophenol
8270D	3541	Solid	Phenanthrene
8270D	3541	Solid	Phenol
8270D	3541	Solid	Pyrene
9045D		Solid	pH
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Chain of Custody Record

404318 eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: TAL-8210

Client Contact	Project Manager: Andrea Skessas	Site Contact:	Date:	COC No:
Company Name: Weston Solutions	Tel/Email:	Lab Contact:	Carrier:	1 of 1 COCs
Address: 300 Plaza Cir. Suite 202	**Analysis Turnaround Time**			Sampler: G Pence
City/State/Zip: Mundelein, IL 60060	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: IDOT West Chicago	☑ 1 week			
Site:	☐ 2 days			Job / SDG No.:
PO # 020356.016.004	☐ 1 day			500-176433

500-176433 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs	SVOCs	Total Metals	TCLP Metals	pH	Sample Specific Notes:
1	RBS-2(9-15)-011620	1/16/20	0930	G	S	6			X	X	X	X	X	
2	RBS-2(9-15)-011620D		0950											
3	BH-3(6-10)-011620		1000											
4	BH-3(10-14)-011620		1010											
5	BH-2(9-14)-011620		1040											
6	BH-1(5-10)-011620		1120											
7	BH-1(10-14)-011620		1130											

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

3.7 48 qt.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	Weston Solutions	1/16/20 1200	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received in Laboratory by: Paula Buckley	TA	1/16/20 1200

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

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: FAU 2860: Chicago Rd Over Thorn Creek Tributary Office Phone Number, if available:

Physical Site Location (address, including number and street):
813 Chicago Road and 13 Parkside Avenue (ISGS Site Nos. 3044V-4, 3044V-5, and 3044V-6)

City: Chicago Heights State: IL Zip Code:

County: Cook Township:

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

Latitude: 41.51578 (Decimal Degrees) Longitude: -87.64271 (-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:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 974

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone:
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone:
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@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: FAU 2860: Chicago Rd Over Thorn Creek Tributary Latitude: 41.51578 Longitude: - 87.64271

Uncontaminated Soil 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 RB5-1 THROUGH RB5-3 WERE SAMPLED ADJACENT TO ISGS SITE Nos. 3044V-4, 3044V-5 AND 3044V-6. SEE FIGURE 3-1 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-170204-1 and 500-176433-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

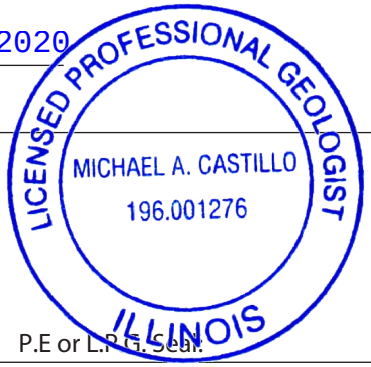
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

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

Michael A. Castillo, P.G.
Printed Name:

Michael A Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 February 2020
Date:



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

Summary Table of ISGS Site No. 3044V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 2860: Chicago Road Over Thorn Creek Tributary
Chicago Heights, Cook County, Illinois

Location	RB5-1	RB5-2	RB5-2	RB5-2	RB5-2	RB5-3	RB5-3	Soil Reference Concentrations[A]
Sample Date	9/17/2019	9/17/2019	9/17/2019	1/16/2020	1/16/2020	9/17/2019	9/17/2019	
Field Sample ID	RB5-1(0-5)-091719	RB5-2(0-4)-091719	RB5-2(4-9)-091719	RB5-2(9-15)-011620	RB5-2(9-15)-011620D	RB5-3(0-6)-091719	RB5-3(0-6)-091719D	
ISGS Site Number	3044V-005	3044V-005	3044V-005	3044V-005	3044V-005	3044V-005	3044V-005	
Laboratory pH	8.1	8.3	8.1	8.4	8.3	8.6	8.7	<6.25; >9.0
VOCs (mg/kg)	**No Exceedances**							
SVOCs (mg/kg)	**No Exceedances**							
Total Metals (mg/kg)								
Antimony, Total	ND	0.33 J	ND	0.39 J	0.48 J	0.42 J	0.26 J	5
Arsenic, Total	7.1	6.1	9.6	7.4 J	5.3	7.4	8.8	11.3 / 13.0
Barium, Total	61	60	69	43	67	36	47	1500
Beryllium, Total	0.93	0.65	0.63	0.78	0.81	0.55	0.69	22
Cadmium, Total	0.14 J	0.32 J	0.23 J	0.24	0.23	0.55 J	0.26 J	5.2
Calcium, Total	14000 B	62000 B	2400 B	52000	32000	33000 B	34000 B	---
Chromium, Total	24	16	17	18	19	14	17	21
Cobalt, Total	12	11	13	9.2 J	12	11	13	20
Copper, Total	21	18	16	20	19	24	26	2900
Iron, Total	26000	17000	28000	18000	17000	18000	21000	15000 / 15900
Lead, Total	15	26	12	14	13	18	18	107
Magnesium, Total	12000	32000	3400	21000	18000	21000	20000	325000
Manganese, Total	270	400	310	240	290	340	420	630 / 636
Mercury, Total	0.028 J	0.042 J	0.024 J	0.014 J	0.017 J	0.019 J	0.018 J	0.89
Nickel, Total	36	25	24	31	33	27	32	100
Potassium, Total	2800	1900	1400	2600 J	2800	2300	2700	---
Selenium, Total	0.61 J	ND	0.75 J	0.66 J	0.66	0.56 J	0.61 J	1.3
Silver, Total	4.2 B	2.9 B	3.5 B	3.2	3.1	2.8 B	3.1 B	4.4
Sodium, Total	400	500	650	700 B	760 B	860	900	---
Thallium, Total	1.2	0.76	1.1	ND	ND	1	1.2	2.6
Vanadium, Total	29	21	22	23	23	17	20	550
Zinc, Total	66 B	72 B	59 B	62 J	64	730 J	76 J	5100
TCLP Metals (mg/l)								
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.33 J	0.44 J	0.15 J	0.59	0.59	0.28 J	0.29 J	2
Cadmium, TCLP	ND	ND	ND	ND	ND	0.004 J	0.0022 J	0.005
Cobalt, TCLP	ND	ND	ND	0.025	0.05	ND	ND	1
Iron, TCLP	ND	ND	0.23 J	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.1	0.13	0.45	2.8	3	0.82	0.58	0.15
Nickel, TCLP	ND	ND	ND	0.035	0.078	ND	ND	0.1
Zinc, TCLP	ND	ND	ND	ND	ND	0.51 B	ND	5

Summary Table of ISGS Site No. 3044V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 2860: Chicago Road Over Thorn Creek Tributary
Chicago Heights, Cook County, Illinois

Location	RB5-1	RB5-2	RB5-2	RB5-2	RB5-2	RB5-3	RB5-3	Soil Reference Concentrations[A]
Sample Date	9/17/2019	9/17/2019	9/17/2019	1/16/2020	1/16/2020	9/17/2019	9/17/2019	
Field Sample ID	RB5-1(0-5)-091719	RB5-2(0-4)-091719	RB5-2(4-9)-091719	RB5-2(9-15)-011620	RB5-2(9-15)-011620D	RB5-3(0-6)-091719	RB5-3(0-6)-091719D	
ISGS Site Number	3044V-005	3044V-005	3044V-005	3044V-005	3044V-005	3044V-005	3044V-005	
SPLP Metals (mg/l)								
Arsenic, SPLP	0.034 J	0.058	0.11	0.067	0.056	0.077	0.065	0.05
Barium, SPLP	0.4 J	0.59	0.53	0.49 J	0.39 J	0.39 J	0.34 J	2
Beryllium, SPLP	0.0057	0.007	0.0079	0.0078	0.0075	0.0069	0.0061	0.004
Cadmium, SPLP	ND	ND	0.0021 J	ND	ND	0.0025 J	ND	0.005
Chromium, SPLP	0.14	0.17	0.2	0.16	0.15	0.16	0.15	0.1
Cobalt, SPLP	0.028	0.042	0.072	0.071	0.059	0.051	0.05	1
Copper, SPLP	0.092	0.14	0.16	0.16	0.14	0.18	0.16	0.65
Iron, SPLP	130	160	330	170	170	180	160	5
Lead, SPLP	0.047	0.09	0.1	0.11	0.094	0.11	0.09	0.0075
Manganese, SPLP	0.38	0.67	1.2	1.1	0.83	0.63	0.62	0.15
Mercury, SPLP	ND	0.00028	0.00043	ND	0.00021	0.00022	ND	0.002
Nickel, SPLP	0.12	0.16	0.22	0.21	0.19	0.18	0.18	0.1
Silver, SPLP	0.011 J	0.013 J	0.02 J	0.014 J	0.012 J	0.014 J	0.012 J	0.05
Zinc, SPLP	ND	0.48 J	0.5 B	0.42 J	0.39 J	2.4 J	0.96 J	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

na - Cpnstituent not analyzed.

ND - Constituent not detected above the reporting limit.

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

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-170204-1
Client Project/Site: IDOT - Chicago Heights-WO 004

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

Attn: Mr. Andris Slesers

Authorized for release by:
9/28/2019 11:01:34 AM

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

Client Sample ID: RB5-1(0-5)-091719

Date Collected: 09/17/19 12:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-12

Matrix: Solid
Percent Solids: 83.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Chloromethane	<0.0043	*	0.0043	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Tetrachloroethene	**0.00069**	**J**	0.0017	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*	*09/17/19 18:20*	*09/24/19 13:16*	*1*
4-Bromofluorobenzene (Surr)	*87*		*75 - 131*	*09/17/19 18:20*	*09/24/19 13:16*	*1*
Dibromofluoromethane	*86*		*75 - 126*	*09/17/19 18:20*	*09/24/19 13:16*	*1*
Toluene-d8 (Surr)	*83*		*75 - 124*	*09/17/19 18:20*	*09/24/19 13:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1

Client Sample ID: RB5-1(0-5)-091719
Date Collected: 09/17/19 12:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-12
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1

Client Sample ID: RB5-1(0-5)-091719
Date Collected: 09/17/19 12:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-12
Matrix: Solid
Percent Solids: 83.6

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	<0.038		0.038	0.0098	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	09/26/19 07:42	09/26/19 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*31 - 143*	*09/26/19 07:42*	*09/26/19 21:27*	*1*
2-Fluorobiphenyl	*56*		*43 - 145*	*09/26/19 07:42*	*09/26/19 21:27*	*1*
2-Fluorophenol	*66*		*31 - 166*	*09/26/19 07:42*	*09/26/19 21:27*	*1*
Nitrobenzene-d5	*52*		*37 - 147*	*09/26/19 07:42*	*09/26/19 21:27*	*1*
Phenol-d5	*56*		*30 - 153*	*09/26/19 07:42*	*09/26/19 21:27*	*1*
Terphenyl-d14	*80*		*42 - 157*	*09/26/19 07:42*	*09/26/19 21:27*	*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		09/23/19 08:32	09/24/19 04:19	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 04:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 04:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 04:19	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:19	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:19	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:19	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 04:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 04:19	1
Manganese	**0.10**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:19	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:19	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 04:19	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:19	1
Zinc	<0.50		0.50	0.020	mg/L		09/23/19 08:32	09/24/19 04:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.034**	**J**	0.050	0.010	mg/L		09/23/19 08:29	09/24/19 06:20	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:20	1
Beryllium	**0.0057**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:20	1
Chromium	**0.14**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:20	1
Cobalt	**0.028**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:20	1
Copper	**0.092**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:20	1
Iron	**130**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:20	1
Lead	**0.047**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:20	1
Manganese	**0.38**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:20	1
Nickel	**0.12**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:20	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:20	1

Client Sample ID: RB5-1(0-5)-091719

Date Collected: 09/17/19 12:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-12

Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.011	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:20	1
Zinc	0.23	J B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Arsenic	7.1		0.58	0.20	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Barium	61		0.58	0.066	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Beryllium	0.93		0.23	0.054	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Cadmium	0.14	B	0.12	0.021	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Calcium	14000	B	12	2.0	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Chromium	24		0.58	0.29	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Cobalt	12		0.29	0.076	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Copper	21		0.58	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Iron	26000		12	6.1	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Lead	15		0.29	0.13	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Magnesium	12000		5.8	2.9	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Manganese	270		0.58	0.085	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Nickel	36		0.58	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Potassium	2800		29	10	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Selenium	0.61	B	0.58	0.34	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Silver	4.2	B	0.29	0.075	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Sodium	400		58	8.6	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Thallium	1.2		0.58	0.29	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Vanadium	29		0.29	0.069	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1
Zinc	66	B	1.2	0.51	mg/Kg	☼	09/26/19 10:01	09/26/19 18:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 10:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0064	mg/Kg	☼	09/25/19 14:35	09/26/19 07:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			09/24/19 15:36	1

Client Sample ID: RB5-2(0-4)-091719

Date Collected: 09/17/19 13:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-13

Matrix: Solid
Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00071	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
1,1-Dichloroethene	<0.0016		0.0016	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
1,2-Dichloropropane	<0.0016		0.0016	0.00043	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Acetone	**0.0074**	**J**	0.016	0.0072	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Carbon tetrachloride	<0.0016		0.0016	0.00048	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Chlorobenzene	<0.0016		0.0016	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Chloromethane	<0.0041	*	0.0041	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Dibromochloromethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Ethylbenzene	<0.0016		0.0016	0.00079	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Styrene	<0.0016		0.0016	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Toluene	<0.0016		0.0016	0.00042	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00073	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Trichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Vinyl chloride	<0.0016		0.0016	0.00073	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*09/17/19 18:20*	*09/24/19 13:50*	*1*
4-Bromofluorobenzene (Surr)	*81*		*75 - 131*	*09/17/19 18:20*	*09/24/19 13:50*	*1*
Dibromofluoromethane	*93*		*75 - 126*	*09/17/19 18:20*	*09/24/19 13:50*	*1*
Toluene-d8 (Surr)	*84*		*75 - 124*	*09/17/19 18:20*	*09/24/19 13:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1

Client Sample ID: RB5-2(0-4)-091719
Date Collected: 09/17/19 13:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-13
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Anthracene	**0.014**	**J**	0.039	0.0065	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Benzo[a]anthracene	**0.020**	**J**	0.039	0.0053	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Benzo[a]pyrene	**0.057**		0.039	0.0076	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Benzo[b]fluoranthene	**0.047**		0.039	0.0085	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Benzo[k]fluoranthene	**0.042**		0.039	0.012	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Chrysene	**0.023**	**J**	0.039	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Fluoranthene	**0.051**		0.039	0.0073	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-170204-1

Client Sample ID: RB5-2(0-4)-091719
Date Collected: 09/17/19 13:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-13
Matrix: Solid
Percent Solids: 83.3

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	<0.039		0.039	0.010	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Phenanthrene	**0.047**		0.039	0.0055	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1
Pyrene	**0.028**	**J**	0.039	0.0078	mg/Kg	☼	09/26/19 07:42	09/26/19 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*31 - 143*	*09/26/19 07:42*	*09/26/19 21:56*	*1*
2-Fluorobiphenyl	*85*		*43 - 145*	*09/26/19 07:42*	*09/26/19 21:56*	*1*
2-Fluorophenol	*120*		*31 - 166*	*09/26/19 07:42*	*09/26/19 21:56*	*1*
Nitrobenzene-d5	*87*		*37 - 147*	*09/26/19 07:42*	*09/26/19 21:56*	*1*
Phenol-d5	*92*		*30 - 153*	*09/26/19 07:42*	*09/26/19 21:56*	*1*
Terphenyl-d14	*121*		*42 - 157*	*09/26/19 07:42*	*09/26/19 21:56*	*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		09/23/19 08:32	09/24/19 04:23	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 04:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 04:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 04:23	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:23	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:23	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:23	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 04:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 04:23	1
Manganese	**0.13**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:23	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:23	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 04:23	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:23	1
Zinc	**0.026**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 04:23	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		09/23/19 08:29	09/24/19 06:24	1
Barium	**0.59**		0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:24	1
Beryllium	**0.0070**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:24	1
Chromium	**0.17**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:24	1
Cobalt	**0.042**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:24	1
Copper	**0.14**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:24	1
Iron	**160**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:24	1
Lead	**0.090**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:24	1
Manganese	**0.67**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:24	1
Nickel	**0.16**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:24	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:24	1

Client Sample ID: RB5-2(0-4)-091719

Date Collected: 09/17/19 13:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-13

Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.013	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:24	1
Zinc	0.48	J B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.33	J	1.1	0.22	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Arsenic	6.1		0.56	0.19	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Barium	60		0.56	0.064	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Beryllium	0.65		0.23	0.053	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Cadmium	0.32	B	0.11	0.020	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Calcium	62000	B	56	9.6	mg/Kg	☼	09/26/19 10:01	09/27/19 09:34	5
Chromium	16		0.56	0.28	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Cobalt	11		0.28	0.074	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Copper	18		0.56	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Iron	17000		11	5.9	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Lead	26		0.28	0.13	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Magnesium	32000		5.6	2.8	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Manganese	400		0.56	0.082	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Nickel	25		0.56	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Potassium	1900		28	10	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Selenium	0.55	J B	0.56	0.33	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Silver	2.9	B	0.28	0.073	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Sodium	500		56	8.3	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Thallium	0.76		0.56	0.28	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Vanadium	21		0.28	0.066	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1
Zinc	72	B	1.1	0.49	mg/Kg	☼	09/26/19 10:01	09/26/19 18:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00028		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 10:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.018	0.0058	mg/Kg	☼	09/25/19 14:35	09/26/19 07:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			09/24/19 15:37	1

Client Sample ID: RB5-2(4-9)-091719

Date Collected: 09/17/19 13:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-14

Matrix: Solid
Percent Solids: 80.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Acetone	<0.016		0.016	0.0070	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Carbon disulfide	<0.0040		0.0040	0.00084	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Chloromethane	<0.0040	*	0.0040	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*	*09/17/19 18:20*	*09/24/19 14:16*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/24/19 14:16*	*1*
Dibromofluoromethane	*84*		*75 - 126*	*09/17/19 18:20*	*09/24/19 14:16*	*1*
Toluene-d8 (Surr)	*85*		*75 - 124*	*09/17/19 18:20*	*09/24/19 14:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1

Client Sample ID: RB5-2(4-9)-091719
Date Collected: 09/17/19 13:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-14
Matrix: Solid
Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Benzo[a]pyrene	<0.040	*	0.040	0.0079	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Benzo[b]fluoranthene	<0.040	*	0.040	0.0088	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Benzo[g,h,i]perylene	<0.040	*	0.040	0.013	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Benzo[k]fluoranthene	<0.040	*	0.040	0.012	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Dibenz(a,h)anthracene	<0.040	*	0.040	0.0078	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1

Client Sample ID: RB5-2(4-9)-091719
Date Collected: 09/17/19 13:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-14
Matrix: Solid
Percent Solids: 80.5

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	<0.040	*	0.040	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Phenanthrene	<0.040		0.040	0.0057	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	09/26/19 07:42	09/26/19 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*31 - 143*	*09/26/19 07:42*	*09/26/19 22:24*	*1*
2-Fluorobiphenyl	*73*		*43 - 145*	*09/26/19 07:42*	*09/26/19 22:24*	*1*
2-Fluorophenol	*90*		*31 - 166*	*09/26/19 07:42*	*09/26/19 22:24*	*1*
Nitrobenzene-d5	*66*		*37 - 147*	*09/26/19 07:42*	*09/26/19 22:24*	*1*
Phenol-d5	*76*		*30 - 153*	*09/26/19 07:42*	*09/26/19 22:24*	*1*
Terphenyl-d14	*103*		*42 - 157*	*09/26/19 07:42*	*09/26/19 22:24*	*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		09/23/19 08:32	09/24/19 04:27	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 04:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 04:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 04:27	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:27	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:27	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:27	1
Iron	**0.23**	**J**	0.40	0.20	mg/L		09/23/19 08:32	09/24/19 04:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 04:27	1
Manganese	**0.45**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:27	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:27	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 04:27	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:27	1
Zinc	**0.031**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 04:27	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		09/23/19 08:29	09/24/19 06:28	1
Barium	**0.53**		0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:28	1
Beryllium	**0.0079**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:28	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:28	1
Chromium	**0.20**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:28	1
Cobalt	**0.072**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:28	1
Copper	**0.16**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:28	1
Iron	**330**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:28	1
Lead	**0.10**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:28	1
Manganese	**1.2**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:28	1
Nickel	**0.22**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:28	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:28	1

Client Sample ID: RB5-2(4-9)-091719

Date Collected: 09/17/19 13:20
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-14

Matrix: Solid
Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.020	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:28	1
Zinc	0.50	B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:28	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	☼	09/26/19 10:01	09/26/19 18:50	1
Arsenic	9.6		0.61	0.21	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Barium	69		0.61	0.070	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Beryllium	0.63		0.25	0.057	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Cadmium	0.23	B	0.12	0.022	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Calcium	2400	B	12	2.1	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Chromium	17		0.61	0.30	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Cobalt	13		0.31	0.080	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Copper	16		0.61	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Iron	28000		12	6.4	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Lead	12		0.31	0.14	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Magnesium	3400		6.1	3.0	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Manganese	310		0.61	0.089	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Nickel	24		0.61	0.18	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Potassium	1400		31	11	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Selenium	0.75	B	0.61	0.36	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Silver	3.5	B	0.31	0.079	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Sodium	650		61	9.1	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Thallium	1.1		0.61	0.31	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Vanadium	22		0.31	0.072	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1
Zinc	59	B	1.2	0.54	mg/Kg	☼	09/26/19 10:01	09/26/19 18:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00043		0.00033	0.00033	mg/L		09/24/19 10:40	09/25/19 10:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.021	0.0068	mg/Kg	☼	09/25/19 14:35	09/26/19 07:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			09/24/19 15:39	1

Client Sample ID: RB5-3(0-6)-091719

Date Collected: 09/17/19 13:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-15

Matrix: Solid
Percent Solids: 82.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Acetone	<0.018		0.018	0.0079	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Carbon disulfide	<0.0046		0.0046	0.00095	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Chloroethane	<0.0046		0.0046	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Chloromethane	<0.0046	*	0.0046	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
methyl isobutyl ketone	<0.0046		0.0046	0.0013	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Tetrachloroethene	**0.00062**	**J**	0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*	*09/17/19 18:20*	*09/24/19 14:41*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/24/19 14:41*	*1*
Dibromofluoromethane	*84*		*75 - 126*	*09/17/19 18:20*	*09/24/19 14:41*	*1*
Toluene-d8 (Surr)	*86*		*75 - 124*	*09/17/19 18:20*	*09/24/19 14:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1

Client Sample ID: RB5-3(0-6)-091719
Date Collected: 09/17/19 13:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-15
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	<0.40		0.40	0.091	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Acenaphthylene	<0.040		0.040	0.0052	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Benzo[a]pyrene	**0.053**		0.040	0.0077	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Chrysene	**0.021**	**J**	0.040	0.011	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Fluoranthene	**0.034**	**J**	0.040	0.0074	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1

Client Sample ID: RB5-3(0-6)-091719

Date Collected: 09/17/19 13:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-15

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	<0.040		0.040	0.010	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Phenanthrene	**0.013**	**J**	0.040	0.0055	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1
Pyrene	**0.023**	**J**	0.040	0.0079	mg/Kg	☼	09/26/19 07:42	09/26/19 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*31 - 143*	*09/26/19 07:42*	*09/26/19 22:53*	*1*
2-Fluorobiphenyl	*93*		*43 - 145*	*09/26/19 07:42*	*09/26/19 22:53*	*1*
2-Fluorophenol	*111*		*31 - 166*	*09/26/19 07:42*	*09/26/19 22:53*	*1*
Nitrobenzene-d5	*90*		*37 - 147*	*09/26/19 07:42*	*09/26/19 22:53*	*1*
Phenol-d5	*97*		*30 - 153*	*09/26/19 07:42*	*09/26/19 22:53*	*1*
Terphenyl-d14	*114*		*42 - 157*	*09/26/19 07:42*	*09/26/19 22:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/23/19 08:32	09/24/19 04:31	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 04:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 04:31	1
Cadmium	**0.0040**	**J**	0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 04:31	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:31	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:31	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:31	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 04:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 04:31	1
Manganese	**0.82**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:31	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:31	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 04:31	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:31	1
Zinc	**0.51**	**B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 04:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.077**		0.050	0.010	mg/L		09/23/19 08:29	09/24/19 06:40	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:40	1
Beryllium	**0.0069**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:40	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:40	1
Chromium	**0.16**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:40	1
Cobalt	**0.051**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:40	1
Copper	**0.18**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:40	1
Iron	**180**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:40	1
Lead	**0.11**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:40	1
Manganese	**0.63**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:40	1
Nickel	**0.18**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:40	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:40	1

Client Sample ID: RB5-3(0-6)-091719

Date Collected: 09/17/19 13:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-15

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	0.014	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:40	1
Zinc	2.4	B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.42	J	1.1	0.22	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Arsenic	7.4		0.56	0.19	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Barium	36		0.56	0.064	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Beryllium	0.55		0.22	0.052	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Cadmium	0.55	B	0.11	0.020	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Calcium	33000	B	11	1.9	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Chromium	14		0.56	0.28	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Cobalt	11		0.28	0.073	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Copper	24		0.56	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Iron	18000		11	5.8	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Lead	18		0.28	0.13	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Magnesium	21000		5.6	2.8	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Manganese	340		0.56	0.081	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Nickel	27		0.56	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Potassium	2300		28	9.9	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Selenium	0.34	J B	0.56	0.33	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Silver	2.8	B	0.28	0.072	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Sodium	860		56	8.3	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Thallium	1.0		0.56	0.28	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Vanadium	17		0.28	0.066	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1
Zinc	730	B	1.1	0.49	mg/Kg	☼	09/26/19 10:01	09/26/19 18:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00022		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 10:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.020	0.0065	mg/Kg	☼	09/25/19 14:35	09/26/19 07:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			09/24/19 15:41	1

Client Sample ID: RB5-3(0-6)-091719D

Date Collected: 09/17/19 13:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-16

Matrix: Solid
Percent Solids: 82.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Acetone	<0.016		0.016	0.0070	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Chloromethane	<0.0040	*	0.0040	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*	*09/17/19 18:20*	*09/24/19 15:07*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 131*	*09/17/19 18:20*	*09/24/19 15:07*	*1*
Dibromofluoromethane	*85*		*75 - 126*	*09/17/19 18:20*	*09/24/19 15:07*	*1*
Toluene-d8 (Surr)	*85*		*75 - 124*	*09/17/19 18:20*	*09/24/19 15:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1

Client Sample ID: RB5-3(0-6)-091719D
Date Collected: 09/17/19 13:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-16
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Benzo[a]anthracene	**0.011**	**J**	0.040	0.0054	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Benzo[b]fluoranthene	**0.025**	**J**	0.040	0.0087	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Chrysene	**0.012**	**J**	0.040	0.011	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Fluoranthene	**0.022**	**J**	0.040	0.0074	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1

Client Sample ID: RB5-3(0-6)-091719D
Date Collected: 09/17/19 13:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-16
Matrix: Solid
Percent Solids: 82.5

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	<0.040		0.040	0.010	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Phenanthrene	**0.012**	**J**	0.040	0.0056	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1
Pyrene	**0.020**	**J**	0.040	0.0080	mg/Kg	☼	09/26/19 07:42	09/27/19 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*31 - 143*	*09/26/19 07:42*	*09/27/19 19:49*	*1*
2-Fluorobiphenyl	*72*		*43 - 145*	*09/26/19 07:42*	*09/27/19 19:49*	*1*
2-Fluorophenol	*85*		*31 - 166*	*09/26/19 07:42*	*09/27/19 19:49*	*1*
Nitrobenzene-d5	*64*		*37 - 147*	*09/26/19 07:42*	*09/27/19 19:49*	*1*
Phenol-d5	*72*		*30 - 153*	*09/26/19 07:42*	*09/27/19 19:49*	*1*
Terphenyl-d14	*115*		*42 - 157*	*09/26/19 07:42*	*09/27/19 19:49*	*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		09/23/19 08:32	09/24/19 04:35	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 04:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 04:35	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 04:35	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:35	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:35	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:35	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 04:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 04:35	1
Manganese	**0.58**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:35	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:35	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 04:35	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:35	1
Zinc	**0.034**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 04:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.065**		0.050	0.010	mg/L		09/23/19 08:29	09/24/19 06:44	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:44	1
Beryllium	**0.0061**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:44	1
Chromium	**0.15**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:44	1
Cobalt	**0.050**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:44	1
Copper	**0.16**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:44	1
Iron	**160**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:44	1
Lead	**0.090**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:44	1
Manganese	**0.62**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:44	1
Nickel	**0.18**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:44	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:44	1

Client Sample ID: RB5-3(0-6)-091719D

Date Collected: 09/17/19 13:50
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-16

Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.012	J	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:44	1
Zinc	0.96	B	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	1.2	0.24	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Arsenic	8.8		0.61	0.21	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Barium	47		0.61	0.069	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Beryllium	0.69		0.24	0.057	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Cadmium	0.26	B	0.12	0.022	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Calcium	34000	B	12	2.1	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Chromium	17		0.61	0.30	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Cobalt	13		0.30	0.079	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Copper	26		0.61	0.17	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Iron	21000		12	6.3	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Lead	18		0.30	0.14	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Magnesium	20000		6.1	3.0	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Manganese	420		0.61	0.088	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Nickel	32		0.61	0.18	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Potassium	2700		30	11	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Selenium	0.51	J B	0.61	0.36	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Silver	3.1	B	0.30	0.078	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Sodium	900		61	9.0	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Thallium	1.2		0.61	0.30	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Vanadium	20		0.30	0.071	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1
Zinc	76	B	1.2	0.53	mg/Kg	☼	09/26/19 10:01	09/26/19 19:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 10:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.020	0.0066	mg/Kg	☼	09/25/19 14:35	09/26/19 07:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			09/24/19 15:43	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-170204-1
Project/Site: IDOT - Chicago Heights-WO 004

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable 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.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Job ID: 500-170204-1
Project/Site: IDOT - Chicago Heights-WO 004

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B	5035	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: Andrs. Slessarevs
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-170204
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 004
Project Location/State: Chicago Heights, IL
Lab Project #:
Sampler: C. Pace / M. Delnio
Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP	pH					Comments
11		IT-1(0-5)-091719		1030	6	S		X	X	X	X	X					
12		RBS-1(0-5)091719		1250	6	S		X	X	X	X	X					
13		RB5-2 (0-4)-091719		1320	6	S		X	X	X	X	X					
14		RB5-2(4-8)-091719		1320	6	S		X	X	X	X	X					
15		RB5-3(0-6)-091719		1350	6	S		X	X	X	X	X					
16		RB5-3(0-6)-091719D		1350	6	S		X	X	X	X	X					
17		RB2-1(0-6)-091719		1405	6	S		X	X	X	X	X					
18		RB2-2(0-6)-091719		1420	6	S		X	X	X	X	X					
19		RB2-3(0-6)-091719		1430	6	S		X	X	X	X	X					
20		RB2-4(0-6)-091719		1445	6	S		X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	9/17/19	1505		TA	9/17/19	1525
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered X

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-4124-560 (1209)

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-176433-1
Client Project/Site: IDOT - Chicago Heights-WO 004

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

Attn: Mr. Andris Slesers

Authorized for release by:
1/27/2020 4:13:12 PM

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

Client Sample ID: RB5-2(9-15)-011620

Date Collected: 01/16/20 09:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-1

Matrix: Solid
Percent Solids: 77.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☼	01/16/20 17:30	01/23/20 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/16/20 17:30*	*01/23/20 14:12*	*1*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*01/16/20 17:30*	*01/23/20 14:12*	*1*
Dibromofluoromethane	*91*		*75 - 126*	*01/16/20 17:30*	*01/23/20 14:12*	*1*
Toluene-d8 (Surr)	*103*		*75 - 124*	*01/16/20 17:30*	*01/23/20 14:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
1,2-Dichlorobenzene	<0.21		0.21	0.051	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
1,3-Dichlorobenzene	<0.21		0.21	0.048	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
1,4-Dichlorobenzene	<0.21		0.21	0.055	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2,2'-oxybis[1-chloropropane]	<0.21	F1	0.21	0.049	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1

Client Sample ID: RB5-2(9-15)-011620
Date Collected: 01/16/20 09:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-1
Matrix: Solid
Percent Solids: 77.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.42		0.42	0.097	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2,4,6-Trichlorophenol	<0.42		0.42	0.15	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2,4-Dinitrophenol	<0.86	F1	0.86	0.75	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2,4-Dinitrotoluene	<0.21		0.21	0.068	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2,6-Dinitrotoluene	<0.21		0.21	0.084	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2-Chlorophenol	<0.21		0.21	0.073	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2-Methylnaphthalene	<0.086		0.086	0.0078	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
2-Nitrophenol	<0.42		0.42	0.10	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
3 & 4 Methylphenol	<0.21		0.21	0.071	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
3,3'-Dichlorobenzidine	<0.21	*	0.21	0.060	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
4,6-Dinitro-2-methylphenol	<0.86		0.86	0.34	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
4-Chloroaniline	<0.86	F1 F2	0.86	0.20	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.050	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
4-Nitrophenol	<0.86		0.86	0.40	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Acenaphthene	<0.042		0.042	0.0076	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Anthracene	<0.042		0.042	0.0071	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Benzo[a]anthracene	<0.042		0.042	0.0057	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Benzo[a]pyrene	<0.042		0.042	0.0082	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Benzo[b]fluoranthene	<0.042		0.042	0.0092	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Benzo[g,h,i]perylene	**0.022**	**J F1**	0.042	0.014	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Benzo[k]fluoranthene	<0.042		0.042	0.013	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Bis(2-chloroethyl)ether	<0.21	F1	0.21	0.064	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.078	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Butyl benzyl phthalate	<0.21		0.21	0.081	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Carbazole	<0.21	*	0.21	0.11	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Chrysene	**0.012**	**J**	0.042	0.012	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Dibenz(a,h)anthracene	<0.042	F1	0.042	0.0082	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Dibenzofuran	<0.21		0.21	0.050	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Diethyl phthalate	<0.21		0.21	0.072	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Dimethyl phthalate	<0.21		0.21	0.056	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Di-n-butyl phthalate	<0.21		0.21	0.065	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Fluoranthene	<0.042		0.042	0.0079	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Fluorene	<0.042		0.042	0.0060	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Hexachlorobenzene	<0.086		0.086	0.0099	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Hexachlorobutadiene	<0.21		0.21	0.067	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Hexachlorocyclopentadiene	<0.86	F1	0.86	0.24	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Hexachloroethane	<0.21	F1	0.21	0.065	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1

Client Sample ID: RB5-2(9-15)-011620

Date Collected: 01/16/20 09:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-1

Matrix: Solid
Percent Solids: 77.2

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	<0.042	F1	0.042	0.011	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Isophorone	<0.21		0.21	0.048	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
N-Nitrosodi-n-propylamine	<0.086		0.086	0.052	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
N-Nitrosodiphenylamine	<0.21	*	0.21	0.050	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Pentachlorophenol	<0.86		0.86	0.68	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Phenanthrene	<0.042		0.042	0.0059	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1
Pyrene	**0.019**	**J**	0.042	0.0084	mg/Kg	☼	01/23/20 11:21	01/24/20 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*31 - 143*	*01/23/20 11:21*	*01/24/20 11:52*	*1*
2-Fluorobiphenyl	*82*		*43 - 145*	*01/23/20 11:21*	*01/24/20 11:52*	*1*
2-Fluorophenol	*94*		*31 - 166*	*01/23/20 11:21*	*01/24/20 11:52*	*1*
Nitrobenzene-d5	*82*		*37 - 147*	*01/23/20 11:21*	*01/24/20 11:52*	*1*
Phenol-d5	*99*		*30 - 153*	*01/23/20 11:21*	*01/24/20 11:52*	*1*
Terphenyl-d14	*103*		*42 - 157*	*01/23/20 11:21*	*01/24/20 11:52*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/21/20 15:03	01/22/20 09:21	1
Barium	**0.59**		0.50	0.050	mg/L		01/21/20 15:03	01/22/20 09:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/21/20 15:03	01/22/20 09:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 15:03	01/22/20 09:21	1
Chromium	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:21	1
Cobalt	**0.025**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:21	1
Copper	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:21	1
Iron	<0.40		0.40	0.20	mg/L		01/21/20 15:03	01/22/20 09:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/21/20 15:03	01/22/20 09:21	1
Manganese	**2.8**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:21	1
Nickel	**0.035**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:21	1
Selenium	<0.050	*	0.050	0.020	mg/L		01/21/20 15:03	01/22/20 09:21	1
Silver	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:21	1
Zinc	**0.060**	**J B ***	0.50	0.020	mg/L		01/21/20 15:03	01/22/20 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.067**		0.050	0.010	mg/L		01/21/20 14:59	01/22/20 19:17	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		01/21/20 14:59	01/22/20 19:17	1
Beryllium	**0.0078**		0.0040	0.0040	mg/L		01/21/20 14:59	01/22/20 19:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 14:59	01/22/20 19:17	1
Chromium	**0.16**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:17	1
Cobalt	**0.071**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:17	1
Copper	**0.16**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:17	1
Iron	**170**		0.40	0.20	mg/L		01/23/20 16:02	01/24/20 09:16	1
Lead	**0.11**		0.0075	0.0075	mg/L		01/21/20 14:59	01/22/20 19:17	1
Manganese	**1.1**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:17	1
Nickel	**0.21**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:17	1
Selenium	<0.050		0.050	0.020	mg/L		01/21/20 14:59	01/22/20 19:17	1

Client Sample ID: RB5-2(9-15)-011620

Date Collected: 01/16/20 09:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-1

Matrix: Solid
Percent Solids: 77.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.014	J	0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:17	1
Zinc	0.42	J B	0.50	0.020	mg/L		01/21/20 14:59	01/22/20 19:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.39	J F1	1.3	0.25	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Arsenic	7.4	F2 F1	0.63	0.22	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Barium	43		0.63	0.072	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Beryllium	0.78		0.25	0.059	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Cadmium	0.24		0.13	0.023	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Calcium	52000		130	21	mg/Kg	☼	01/21/20 17:13	01/23/20 09:42	10
Chromium	18		0.63	0.31	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Cobalt	9.2		0.32	0.083	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Copper	20		0.63	0.18	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Iron	18000	F2	13	6.6	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Lead	14		0.32	0.15	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Magnesium	21000		6.3	3.1	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Manganese	240		0.63	0.092	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Nickel	31		0.63	0.18	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Potassium	2600		32	11	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Selenium	0.66	F1	0.63	0.37	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Silver	3.2		0.32	0.082	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Sodium	700	B	63	9.4	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Thallium	<0.63		0.63	0.32	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Vanadium	23		0.32	0.075	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1
Zinc	62	F1	1.3	0.56	mg/Kg	☼	01/21/20 17:13	01/22/20 17:14	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 09:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 10:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.021	0.0069	mg/Kg	☼	01/21/20 12:30	01/22/20 08:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			01/23/20 15:51	1

Client Sample ID: RB5-2(9-15)-011620D

Date Collected: 01/16/20 09:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-2

Matrix: Solid
Percent Solids: 76.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Acetone	**0.0099**	**J**	0.017	0.0076	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	01/16/20 17:30	01/23/20 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*01/16/20 17:30*	*01/23/20 14:38*	*1*
4-Bromofluorobenzene (Surr)	*107*		*75 - 131*	*01/16/20 17:30*	*01/23/20 14:38*	*1*
Dibromofluoromethane	*88*		*75 - 126*	*01/16/20 17:30*	*01/23/20 14:38*	*1*
Toluene-d8 (Surr)	*103*		*75 - 124*	*01/16/20 17:30*	*01/23/20 14:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
1,3-Dichlorobenzene	<0.21		0.21	0.048	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1

Client Sample ID: RB5-2(9-15)-011620D
Date Collected: 01/16/20 09:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-2
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	<0.42		0.42	0.096	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2,4-Dinitrophenol	<0.85		0.85	0.74	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2,6-Dinitrotoluene	<0.21		0.21	0.083	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2-Methylnaphthalene	<0.085		0.085	0.0078	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
2-Nitrophenol	<0.42		0.42	0.10	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
3,3'-Dichlorobenzidine	<0.21	*	0.21	0.059	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.34	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
4-Chloroaniline	<0.85		0.85	0.20	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
4-Nitrophenol	<0.85		0.85	0.40	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Acenaphthene	<0.042		0.042	0.0076	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Anthracene	<0.042		0.042	0.0071	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Benzo[a]anthracene	<0.042		0.042	0.0057	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Benzo[a]pyrene	<0.042		0.042	0.0082	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Benzo[b]fluoranthene	**0.015**	**J**	0.042	0.0091	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Benzo[g,h,i]perylene	**0.026**	**J**	0.042	0.014	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.077	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Carbazole	<0.21	*	0.21	0.11	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Chrysene	<0.042		0.042	0.012	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0082	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Diethyl phthalate	<0.21		0.21	0.072	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Fluoranthene	**0.0083**	**J**	0.042	0.0078	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Hexachlorobenzene	<0.085		0.085	0.0098	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Hexachlorocyclopentadiene	<0.85		0.85	0.24	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-176433-1

Client Sample ID: RB5-2(9-15)-011620D
Date Collected: 01/16/20 09:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-2
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	<0.042		0.042	0.011	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
N-Nitrosodi-n-propylamine	<0.085		0.085	0.052	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
N-Nitrosodiphenylamine	<0.21	*	0.21	0.050	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Pentachlorophenol	<0.85		0.85	0.68	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Phenanthrene	<0.042		0.042	0.0059	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1
Pyrene	**0.020**	**J**	0.042	0.0084	mg/Kg	☼	01/23/20 11:21	01/24/20 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*31 - 143*	*01/23/20 11:21*	*01/24/20 12:17*	*1*
2-Fluorobiphenyl	*89*		*43 - 145*	*01/23/20 11:21*	*01/24/20 12:17*	*1*
2-Fluorophenol	*108*		*31 - 166*	*01/23/20 11:21*	*01/24/20 12:17*	*1*
Nitrobenzene-d5	*90*		*37 - 147*	*01/23/20 11:21*	*01/24/20 12:17*	*1*
Phenol-d5	*112*		*30 - 153*	*01/23/20 11:21*	*01/24/20 12:17*	*1*
Terphenyl-d14	*116*		*42 - 157*	*01/23/20 11:21*	*01/24/20 12:17*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/21/20 15:03	01/22/20 09:25	1
Barium	**0.59**		0.50	0.050	mg/L		01/21/20 15:03	01/22/20 09:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/21/20 15:03	01/22/20 09:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 15:03	01/22/20 09:25	1
Chromium	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:25	1
Cobalt	**0.050**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:25	1
Copper	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:25	1
Iron	<0.40		0.40	0.20	mg/L		01/21/20 15:03	01/22/20 09:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/21/20 15:03	01/22/20 09:25	1
Manganese	**3.0**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:25	1
Nickel	**0.078**		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:25	1
Selenium	<0.050	*	0.050	0.020	mg/L		01/21/20 15:03	01/22/20 09:25	1
Silver	<0.025		0.025	0.010	mg/L		01/21/20 15:03	01/22/20 09:25	1
Zinc	**0.020**	**J B ***	0.50	0.020	mg/L		01/21/20 15:03	01/22/20 09:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.056**		0.050	0.010	mg/L		01/21/20 14:59	01/22/20 19:21	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		01/21/20 14:59	01/22/20 19:21	1
Beryllium	**0.0075**		0.0040	0.0040	mg/L		01/21/20 14:59	01/22/20 19:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/21/20 14:59	01/22/20 19:21	1
Chromium	**0.15**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:21	1
Cobalt	**0.059**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:21	1
Copper	**0.14**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:21	1
Iron	**170**		0.40	0.20	mg/L		01/23/20 16:02	01/24/20 09:20	1
Lead	**0.094**		0.0075	0.0075	mg/L		01/21/20 14:59	01/22/20 19:21	1
Manganese	**0.83**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:21	1
Nickel	**0.19**		0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:21	1
Selenium	<0.050		0.050	0.020	mg/L		01/21/20 14:59	01/22/20 19:21	1

Client Sample ID: RB5-2(9-15)-011620D

Date Collected: 01/16/20 09:30
Date Received: 01/16/20 12:00

Lab Sample ID: 500-176433-2

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	0.012	J	0.025	0.010	mg/L		01/21/20 14:59	01/22/20 19:21	1
Zinc	0.39	J B	0.50	0.020	mg/L		01/21/20 14:59	01/22/20 19:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	1.2	0.24	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Arsenic	5.3		0.61	0.21	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Barium	67		0.61	0.070	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Beryllium	0.81		0.25	0.057	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Cadmium	0.23		0.12	0.022	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Calcium	32000		12	2.1	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Chromium	19		0.61	0.30	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Cobalt	12		0.31	0.080	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Copper	19		0.61	0.17	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Iron	17000		12	6.4	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Lead	13		0.31	0.14	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Magnesium	18000		6.1	3.0	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Manganese	290		0.61	0.089	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Nickel	33		0.61	0.18	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Potassium	2800		31	11	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Selenium	0.66		0.61	0.36	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Silver	3.1		0.31	0.079	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Sodium	760	B	61	9.1	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Thallium	<0.61		0.61	0.31	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Vanadium	23		0.31	0.072	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1
Zinc	64		1.2	0.54	mg/Kg	☼	01/21/20 17:13	01/22/20 17:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00021		0.00020	0.00020	mg/L		01/22/20 10:25	01/24/20 11:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.020	0.0068	mg/Kg	☼	01/21/20 12:30	01/22/20 08:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			01/23/20 15:58	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176433-1
Project/Site: IDOT - Chicago Heights-WO 004

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
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.

Metals

Qualifier	Qualifier Description
*	LCS or LCSD 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.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago Heights-WO 004

Job ID: 500-176433-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6010B	3010A	Solid	Arsenic
6010B	3010A	Solid	Barium
6010B	3010A	Solid	Beryllium
6010B	3010A	Solid	Cadmium
6010B	3010A	Solid	Chromium
6010B	3010A	Solid	Cobalt
6010B	3010A	Solid	Copper
6010B	3010A	Solid	Iron
6010B	3010A	Solid	Lead
6010B	3010A	Solid	Manganese
6010B	3010A	Solid	Nickel
6010B	3010A	Solid	Selenium
6010B	3010A	Solid	Silver
6010B	3010A	Solid	Zinc
6010B	3050B	Solid	Antimony
6010B	3050B	Solid	Arsenic
6010B	3050B	Solid	Barium
6010B	3050B	Solid	Beryllium
6010B	3050B	Solid	Cadmium
6010B	3050B	Solid	Calcium
6010B	3050B	Solid	Chromium
6010B	3050B	Solid	Cobalt
6010B	3050B	Solid	Copper
6010B	3050B	Solid	Iron
6010B	3050B	Solid	Lead
6010B	3050B	Solid	Magnesium
6010B	3050B	Solid	Manganese
6010B	3050B	Solid	Nickel
6010B	3050B	Solid	Potassium
6010B	3050B	Solid	Selenium
6010B	3050B	Solid	Silver
6010B	3050B	Solid	Sodium
6010B	3050B	Solid	Thallium
6010B	3050B	Solid	Vanadium
6010B	3050B	Solid	Zinc
7470A	7470A	Solid	Mercury
7471B	7471B	Solid	Mercury
8260B	5035	Solid	1,1,1-Trichloroethane
8260B	5035	Solid	1,1,2,2-Tetrachloroethane
8260B	5035	Solid	1,1,2-Trichloroethane
8260B	5035	Solid	1,1-Dichloroethane
8260B	5035	Solid	1,1-Dichloroethene
8260B	5035	Solid	1,2-Dichloroethane
8260B	5035	Solid	1,2-Dichloropropane
8260B	5035	Solid	1,3-Dichloropropene, Total

Laboratory: Eurofins TestAmerica, Chicago (Continued)

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-20

8260B	5035	Solid	2-Hexanone
8260B	5035	Solid	Acetone
8260B	5035	Solid	Benzene
8260B	5035	Solid	Bromodichloromethane
8260B	5035	Solid	Bromoform
8260B	5035	Solid	Bromomethane
8260B	5035	Solid	Carbon disulfide
8260B	5035	Solid	Carbon tetrachloride
8260B	5035	Solid	Chlorobenzene
8260B	5035	Solid	Chloroethane
8260B	5035	Solid	Chloroform
8260B	5035	Solid	Chloromethane
8260B	5035	Solid	cis-1,2-Dichloroethene
8260B	5035	Solid	cis-1,3-Dichloropropene
8260B	5035	Solid	Dibromochloromethane
8260B	5035	Solid	Dibromofluoromethane
8260B	5035	Solid	Ethylbenzene
8260B	5035	Solid	Methyl Ethyl Ketone
8260B	5035	Solid	methyl isobutyl ketone
8260B	5035	Solid	Methyl tert-butyl ether
8260B	5035	Solid	Methylene Chloride
8260B	5035	Solid	Styrene
8260B	5035	Solid	Tetrachloroethene
8260B	5035	Solid	Toluene
8260B	5035	Solid	trans-1,2-Dichloroethene
8260B	5035	Solid	trans-1,3-Dichloropropene
8260B	5035	Solid	Trichloroethene
8260B	5035	Solid	Vinyl chloride
8260B	5035	Solid	Xylenes, Total
8270D	3541	Solid	1,2,4-Trichlorobenzene
8270D	3541	Solid	1,2-Dichlorobenzene
8270D	3541	Solid	1,3-Dichlorobenzene
8270D	3541	Solid	1,4-Dichlorobenzene
8270D	3541	Solid	2,2'-oxybis[1-chloropropane]
8270D	3541	Solid	2,4,5-Trichlorophenol
8270D	3541	Solid	2,4,6-Trichlorophenol
8270D	3541	Solid	2,4-Dichlorophenol
8270D	3541	Solid	2,4-Dimethylphenol
8270D	3541	Solid	2,4-Dinitrophenol
8270D	3541	Solid	2,4-Dinitrotoluene
8270D	3541	Solid	2,6-Dinitrotoluene
8270D	3541	Solid	2-Chloronaphthalene
8270D	3541	Solid	2-Chlorophenol
8270D	3541	Solid	2-Methylnaphthalene
8270D	3541	Solid	2-Methylphenol
8270D	3541	Solid	2-Nitroaniline
8270D	3541	Solid	2-Nitrophenol
8270D	3541	Solid	3 & 4 Methylphenol
8270D	3541	Solid	3,3'-Dichlorobenzidine

Laboratory: Eurofins TestAmerica, Chicago (Continued)

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-20

8270D	3541	Solid	3-Nitroaniline
8270D	3541	Solid	4,6-Dinitro-2-methylphenol
8270D	3541	Solid	4-Bromophenyl phenyl ether
8270D	3541	Solid	4-Chloro-3-methylphenol
8270D	3541	Solid	4-Chloroaniline
8270D	3541	Solid	4-Chlorophenyl phenyl ether
8270D	3541	Solid	4-Nitroaniline
8270D	3541	Solid	4-Nitrophenol
8270D	3541	Solid	Acenaphthene
8270D	3541	Solid	Acenaphthylene
8270D	3541	Solid	Anthracene
8270D	3541	Solid	Benzo[a]anthracene
8270D	3541	Solid	Benzo[a]pyrene
8270D	3541	Solid	Benzo[b]fluoranthene
8270D	3541	Solid	Benzo[g,h,i]perylene
8270D	3541	Solid	Benzo[k]fluoranthene
8270D	3541	Solid	Bis(2-chloroethoxy)methane
8270D	3541	Solid	Bis(2-chloroethyl)ether
8270D	3541	Solid	Bis(2-ethylhexyl) phthalate
8270D	3541	Solid	Butyl benzyl phthalate
8270D	3541	Solid	Carbazole
8270D	3541	Solid	Chrysene
8270D	3541	Solid	Dibenz(a,h)anthracene
8270D	3541	Solid	Dibenzofuran
8270D	3541	Solid	Diethyl phthalate
8270D	3541	Solid	Dimethyl phthalate
8270D	3541	Solid	Di-n-butyl phthalate
8270D	3541	Solid	Di-n-octyl phthalate
8270D	3541	Solid	Fluoranthene
8270D	3541	Solid	Fluorene
8270D	3541	Solid	Hexachlorobenzene
8270D	3541	Solid	Hexachlorobutadiene
8270D	3541	Solid	Hexachlorocyclopentadiene
8270D	3541	Solid	Hexachloroethane
8270D	3541	Solid	Indeno[1,2,3-cd]pyrene
8270D	3541	Solid	Isophorone
8270D	3541	Solid	Naphthalene
8270D	3541	Solid	Nitrobenzene
8270D	3541	Solid	N-Nitrosodi-n-propylamine
8270D	3541	Solid	N-Nitrosodiphenylamine
8270D	3541	Solid	Pentachlorophenol
8270D	3541	Solid	Phenanthrene
8270D	3541	Solid	Phenol
8270D	3541	Solid	Pyrene
9045D		Solid	pH
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Chain of Custody Record

404318 eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: TAL-8210

Client Contact	Project Manager: Andrea Skessas	Site Contact:	Date:	COC No:
Company Name: Weston Solutions	Tel/Email:	Lab Contact:	Carrier:	1 of 1 COCs
Address: 300 Plaza Cir. Suite 202	**Analysis Turnaround Time**			Sampler: G Pence
City/State/Zip: Mundelein, IL 60060	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: IDOT West Chicago	☑ 1 week			
Site:	☐ 2 days			Job / SDG No.:
PO # 020356.016.004	☐ 1 day			500-176433

500-176433 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs	SVOCs	Total Metals	TCLP Metals	pH	Sample Specific Notes:
1	RBS-2(9-15)-011620	1/16/20	0930	G	S	6			X	X	X	X	X	
2	RBS-2(9-15)-011620D		0950											
3	BH-3(6-10)-011620		1000											
4	BH-3(10-14)-011620		1010											
5	BH-2(9-14)-011620		1040											
6	BH-1(5-10)-011620		1120											
7	BH-1(10-14)-011620		1130											

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

3.7 48 qt.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	Weston Solutions	1/16/20 1200	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received in Laboratory by: Paula Buckley	TA	1/16/20 1200

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

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: FAU 2860: Chicago Rd Over Thorn Creek Tributary Office Phone Number, if available:

Physical Site Location (address, including number and street):
25 10th Street (ISGS Site No. 3044V-7)

City: Chicago Heights State: IL Zip Code:

County: Cook Township:

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

Latitude: 41.51042 (Decimal Degrees) Longitude: -87.64252 (-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:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 325

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone:
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone:
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@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: FAU 2860: Chicago Rd Over Thorn Creek Tributary Latitude: 41.51042 Longitude: - 87.64252

Uncontaminated Soil 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 IT-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 3044V-7. SEE FIGURE 3-1 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]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-170204-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

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

Michael A. Castillo, P.G.
Printed Name:

Michael A Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 February 2020
Date:

LICENSED PROFESSIONAL GEOLOGIST
MICHAEL A. CASTILLO
196.001276
ILLINOIS

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

Summary Table of ISGS Site No. 3044V-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 2860: Chicago Road Over Thorn Creek Tributary
Chicago Heights, Cook County, Illinois

Location	IT-1	**Soil Reference Concentrations[A]**
Sample Date	9/17/2019	
Field Sample ID	IT-1(0-5)-091719	
ISGS Site No.	3044V-007	
Laboratory pH	8.2	<6.25; >9.0
VOCs (mg/kg)	**No Exceedances**	
SVOCs (mg/kg)	**None Detected**	
Total Metals (mg/kg)		
Antimony, Total	ND	5
Arsenic, Total	6.5	11.3 / 13.0
Barium, Total	76	1500
Beryllium, Total	0.82	22
Cadmium, Total	0.11 J	5.2
Calcium, Total	5200 B	---
Chromium, Total	21	21
Cobalt, Total	14	20
Copper, Total	19	2900
Iron, Total	21000	15000 / 15900
Lead, Total	15	107
Magnesium, Total	6100	325000
Manganese, Total	370	630 / 636
Mercury, Total	0.027 J	0.89
Nickel, Total	36	100
Potassium, Total	1900	---
Selenium, Total	0.79 J	1.3
Silver, Total	4.1 B	4.4
Sodium, Total	260	---
Thallium, Total	1.3	2.6
Vanadium, Total	24	550
Zinc, Total	61 B	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.43 J	2
Cadmium, TCLP	ND	0.005
Cobalt, TCLP	ND	1
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.088	0.15
Nickel, TCLP	ND	0.1
Zinc, TCLP	ND	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.031 J	0.05
Barium, SPLP	0.35 J	2
Beryllium, SPLP	0.0043	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.095	0.1
Cobalt, SPLP	0.016 J	1
Copper, SPLP	0.075	0.65
Iron, SPLP	86	5
Lead, SPLP	0.025	0.0075
Manganese, SPLP	0.29	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.084	0.1
Silver, SPLP	ND	0.05
Zinc, SPLP	ND	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

na - Cpnstituent not analyzed.

ND - Constituent not detected above the reporting limit.

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

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-170204-1
Client Project/Site: IDOT - Chicago Heights-WO 004

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

Attn: Mr. Andris Slesers

Authorized for release by:
9/28/2019 11:01:34 AM

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

Client Sample ID: IT-1(0-5)-091719

Date Collected: 09/17/19 12:30
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-11

Matrix: Solid
Percent Solids: 90.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Acetone	<0.016		0.016	0.0068	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Chloromethane	<0.0039	*	0.0039	0.0016	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Tetrachloroethene	**0.00062**	**J**	0.0016	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	09/17/19 18:20	09/24/19 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 134*	*09/17/19 18:20*	*09/24/19 12:50*	*1*
4-Bromofluorobenzene (Surr)	*87*		*75 - 131*	*09/17/19 18:20*	*09/24/19 12:50*	*1*
Dibromofluoromethane	*84*		*75 - 126*	*09/17/19 18:20*	*09/24/19 12:50*	*1*
Toluene-d8 (Surr)	*84*		*75 - 124*	*09/17/19 18:20*	*09/24/19 12:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1

Client Sample ID: IT-1(0-5)-091719
Date Collected: 09/17/19 12:30
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-11
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2,4-Dinitrophenol	<0.73		0.73	0.63	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2-Methylnaphthalene	<0.073		0.073	0.0066	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Benzo[a]anthracene	<0.036		0.036	0.0048	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Carbazole	<0.18		0.18	0.090	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Chrysene	<0.036		0.036	0.0098	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Hexachlorobenzene	<0.073		0.073	0.0083	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1

Client Sample ID: IT-1(0-5)-091719

Date Collected: 09/17/19 12:30
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-11

Matrix: Solid
Percent Solids: 90.9

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	<0.036		0.036	0.0093	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Phenanthrene	<0.036		0.036	0.0050	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1
Pyrene	<0.036		0.036	0.0071	mg/Kg	☼	09/26/19 07:42	09/27/19 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*31 - 143*	*09/26/19 07:42*	*09/27/19 01:14*	*1*
2-Fluorobiphenyl	*90*		*43 - 145*	*09/26/19 07:42*	*09/27/19 01:14*	*1*
2-Fluorophenol	*115*		*31 - 166*	*09/26/19 07:42*	*09/27/19 01:14*	*1*
Nitrobenzene-d5	*82*		*37 - 147*	*09/26/19 07:42*	*09/27/19 01:14*	*1*
Phenol-d5	*86*		*30 - 153*	*09/26/19 07:42*	*09/27/19 01:14*	*1*
Terphenyl-d14	*101*		*42 - 157*	*09/26/19 07:42*	*09/27/19 01:14*	*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		09/23/19 08:32	09/24/19 04:14	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		09/23/19 08:32	09/24/19 04:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/23/19 08:32	09/24/19 04:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:32	09/24/19 04:14	1
Chromium	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:14	1
Cobalt	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:14	1
Copper	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:14	1
Iron	<0.40		0.40	0.20	mg/L		09/23/19 08:32	09/24/19 04:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/23/19 08:32	09/24/19 04:14	1
Manganese	**0.088**		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:14	1
Nickel	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:14	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:32	09/24/19 04:14	1
Silver	<0.025		0.025	0.010	mg/L		09/23/19 08:32	09/24/19 04:14	1
Zinc	**0.055**	**J B**	0.50	0.020	mg/L		09/23/19 08:32	09/24/19 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.031**	**J**	0.050	0.010	mg/L		09/23/19 08:29	09/24/19 06:16	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		09/23/19 08:29	09/24/19 06:16	1
Beryllium	**0.0043**		0.0040	0.0040	mg/L		09/23/19 08:29	09/24/19 06:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/23/19 08:29	09/24/19 06:16	1
Chromium	**0.095**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:16	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:16	1
Copper	**0.075**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:16	1
Iron	**86**		0.40	0.20	mg/L		09/23/19 08:29	09/24/19 06:16	1
Lead	**0.025**		0.0075	0.0075	mg/L		09/23/19 08:29	09/24/19 06:16	1
Manganese	**0.29**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:16	1
Nickel	**0.084**		0.025	0.010	mg/L		09/23/19 08:29	09/24/19 06:16	1
Selenium	<0.050		0.050	0.020	mg/L		09/23/19 08:29	09/24/19 06:16	1

Client Sample ID: IT-1(0-5)-091719

Date Collected: 09/17/19 12:30
Date Received: 09/17/19 15:25

Lab Sample ID: 500-170204-11

Matrix: Solid
Percent Solids: 90.9

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		09/23/19 08:29	09/24/19 06:16	1
Zinc	**0.25**	**J B**	0.50	0.020	mg/L		09/23/19 08:29	09/24/19 06:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Arsenic	**6.5**		0.54	0.18	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Barium	**76**		0.54	0.061	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Beryllium	**0.82**		0.21	0.050	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Cadmium	**0.11**	**B**	0.11	0.019	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Calcium	**5200**	**B**	11	1.8	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Chromium	**21**		0.54	0.27	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Cobalt	**14**		0.27	0.070	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Copper	**19**		0.54	0.15	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Iron	**21000**		11	5.6	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Lead	**15**		0.27	0.12	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Magnesium	**6100**		5.4	2.7	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Manganese	**370**		0.54	0.078	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Nickel	**36**		0.54	0.16	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Potassium	**1900**		27	9.5	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Selenium	**0.79**	**B**	0.54	0.32	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Silver	**4.1**	**B**	0.27	0.069	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Sodium	**260**		54	7.9	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Thallium	**1.3**		0.54	0.27	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Vanadium	**24**		0.27	0.063	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1
Zinc	**61**	**B**	1.1	0.47	mg/Kg	☼	09/26/19 10:01	09/26/19 18:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/23/19 15:15	09/24/19 11:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	F1	0.00020	0.00020	mg/L		09/24/19 10:40	09/25/19 09:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.017	0.0056	mg/Kg	☼	09/25/19 14:35	09/26/19 07:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			09/24/19 15:22	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-170204-1
Project/Site: IDOT - Chicago Heights-WO 004

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable 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.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Job ID: 500-170204-1
Project/Site: IDOT - Chicago Heights-WO 004

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B	5035	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: Andrs. Slessarevs
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-170204
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 004
Project Location/State: Chicago Heights, IL
Lab Project #:
Sampler: C. Pace / M. Delnio
Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP	pH					Comments
11		IT-1(0-5)-091719		1030	6	S		X	X	X	X	X					
12		RBS-1(0-5)091719		1250	6	S		X	X	X	X	X					
13		RB5-2 (0-4)-091719		1320	6	S		X	X	X	X	X					
14		RB5-2(4-8)-091719		1320	6	S		X	X	X	X	X					
15		RB5-3(0-6)-091719		1350	6	S		X	X	X	X	X					
16		RB5-3(0-6)-091719D		1350	6	S		X	X	X	X	X					
17		RB2-1(0-6)-091719		1405	6	S		X	X	X	X	X					
18		RB2-2(0-6)-091719		1420	6	S		X	X	X	X	X					
19		RB2-3(0-6)-091719		1430	6	S		X	X	X	X	X					
20		RB2-4(0-6)-091719		1445	6	S		X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	9/17/19	1505		TA	9/17/19	1525
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered X

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-4124-560 (1209)