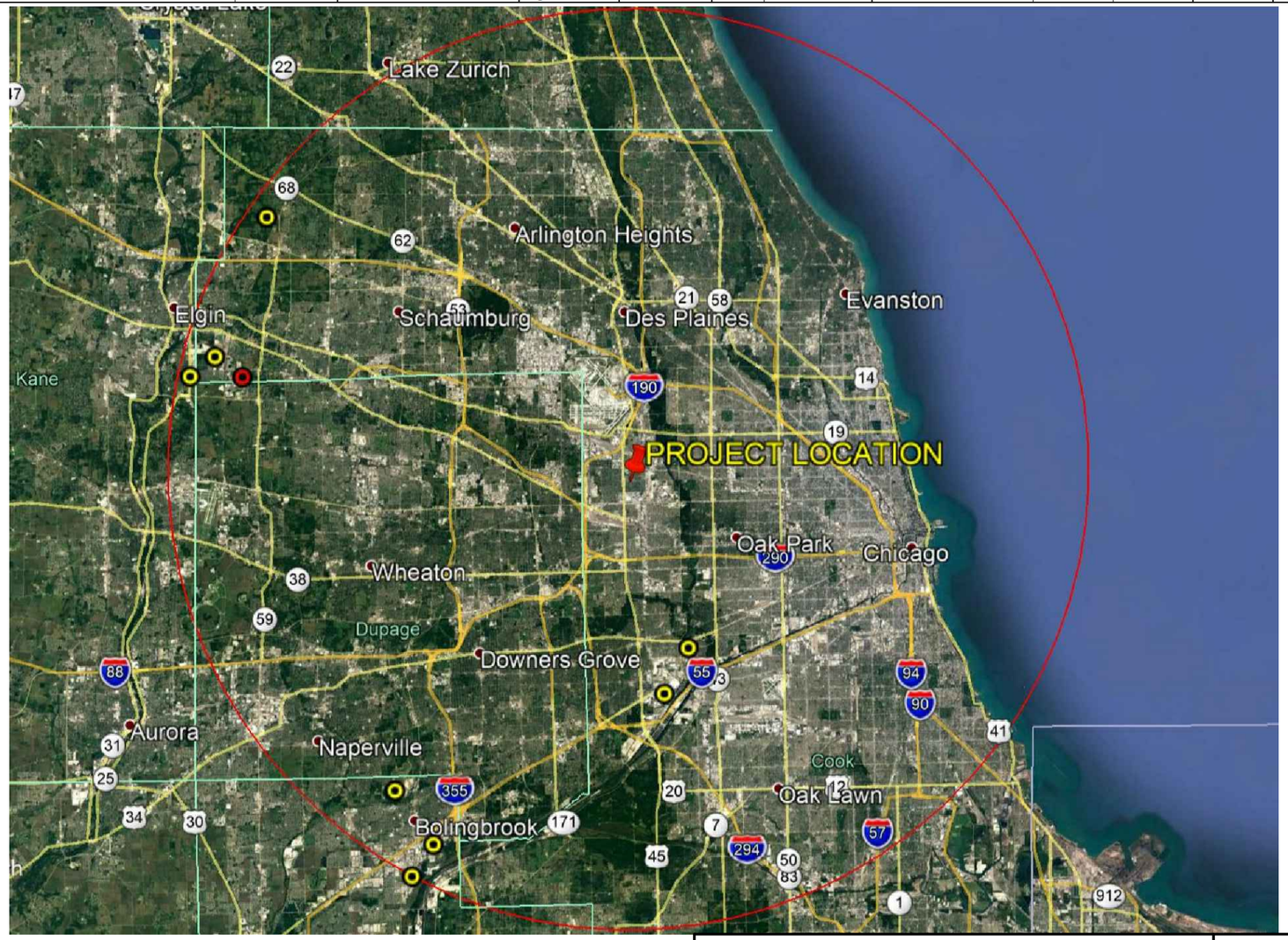
CCDD Facilities												
Name	**Site Number**	**Site Address**	**City**	**County**	**Zip**	**Phone**	**Contact**	**Accepts Soil**	**Accepts Concrete**	**Accepts Asphalt**	**Date Confirmed**	**Confirmed By**
47 Acres/Southwind Business Park	894125007	2250 Southwind Blvd	Bartlett	DuPage	60103	630-497-8700	Haworth, William	Yes	Yes	Yes	1/11/2017	MDS
Elmhurst Chicago Stone Co-Barbers Corners	1978030002	351 Royce Road	Bolingbrook	Will/DuPage	60490	630-832-4000	Peter, Stamatopoulos	Yes	Yes	No	8/13/2019	MDS
Gifford East-CCDD	314125046	1395 Gifford Rd	Elgin	Kane	60120		Haworth, William	Yes	Yes	Yes	1/11/2017	MDS
Land & Lakes Clean Fill Site	1970905141	1371 N Joliet Rd	Romeoville	Will	60446	847-825-5000	Cowhey Jr, James	Yes	Yes	Yes	8/13/2019	MDS
Orange Crush LLC-Romeoville	1970905104	1001 Independence Ave	Romeoville	Will	60446	708-544-9440	Ron, Bobkowski	X	X	X	8/13/2019	MDS
Prairie Material Sales Yd 92	890255034	1151 Penney Rd	East Dundee	Kane	60118	847-844-8257	Plummer, David	X	X	X	8/13/2019	MDS
Reliable Lyons CCDD	311715020	4226 S Lawndale Ave	Lyons	Cook	60534	630-768-7191	Paxson, Andy	Yes	Yes	Yes	8/13/2018	MDS
Vulcan Construction Materials LP McCook Quarry	311745029	5500 E Joliet Rd	McCook	Cook	60525	708-485-6602	Van Kovering, Kelly	Yes	Yes	No	1/5/2017	MDS
USFO Facilities												
Name	**Site Number**	**Site Address**	**City**	**County**	**Zip**	**Phone**	**Contact**	**Accepts Soil**	**Accepts Concrete**	**Accepts Asphalt**	**Date Confirmed**	**Confirmed By**
Elgin Clean Soils Fill Site	318055014	1501 West Bartlett Road	Elgin	Cook	60120							



IDOT PROJECT NO. 9-67

FIGURE B-1

WESTON SOLUTIONS

300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

CCDD AND USFO FACILITIES WITHIN 21 MILES
FAU 1381: FULLERTON AVENUE FROM SARAH STREET TO SILVER CREEK DRIVE
Franklin Park, Cook County, Illinois

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 1381: Fullerton Ave-Sarah St to Silver Creek Dr Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
10129-10145 Dora St. and 2404-2426 Sarah St. (ISGS Site No. 2791V-1)

City: Franklin Park State: IL Zip Code: 60131

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: 41.92215 (Decimal Degrees) Longitude: - 87.87882 (-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): _____ Approximate End Date (mm/dd/yyyy): _____

Estimated Volume of debris (cu. Yd.): 159

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 1381: Fullerton Ave-Sarah St to Silver Creek Dr Latitude: 41.92215 Longitude: - 87.87882

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 R1-1 AND R1-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2791V-1. 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: 500-166992-1.
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, Margaret Doheny-Skubic, 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

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or Licensed Professional Geologist Signature:

8/14/2019
Date:

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

LICENSED PROFESSIONAL GEOLOGIST
MARGARET DOHENY-SKUBIC
196.001449
ILLINOIS

Summary Table of ISGS Site No. 2791V-1
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1381: Fullerton Avenue from Sarah Street to Silver Creek Drive
Franklin Park, Cook County, Illinois

Field Sample ID	R1-1(0-1.5)-071819	R1-2(0-3)-071819	R1-2(3-7)-071819	Soil Reference Concentrations[A]
Sample Date	7/18/2019	7/18/2019	7/18/2019	
Location ID	R1-1	R1-2	R1-2	
Depth	0 - 1.5	0 - 3	3 - 7	
Parameter				
Laboratory pH (s.u.)	8.8 J	8.8 J	9.0 J	<6.25; >9.0
VOCs	**No Detections**			
SVOCs (ug/kg)				
Benzo(a)anthracene	12 J	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	13 J	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	24 J	9.2 J	10 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	15 J	ND	ND	---
Chrysene	17 J	ND	17 J	88000
Fluoranthene	20 J	ND	ND	3100000
Indeno(1,2,3-cd)pyrene	11 J	ND	ND	900 / 900 / 1600
Phenanthrene	8.3 J	ND	ND	---
Pyrene	20 J	ND	ND	2300000
Total Metals (mg/kg)				
Antimony, Total	0.31 J	0.48 J	ND	5
Arsenic, Total	9.7	11	8.2	11.3 / 13.0
Barium, Total	77	77	51	1500
Beryllium, Total	0.75	0.79	0.72	22
Calcium, Total	23000 B	29000 B	57000 B	---
Chromium, Total	18	19	18	21
Cobalt, Total	13	14	13	20
Copper, Total	30	27	26	2900
Iron, Total	21000	24000	20000	15000 / 15900
Lead, Total	42	21	13	107
Magnesium, Total	16000	18000	22000	325000
Manganese, Total	440	570	300	630 / 636
Mercury, Total	0.024 J	0.014 J	0.012 J	0.89
Nickel, Total	34	36	33	100
Potassium, Total	2600	3000	3800	---
Silver, Total	3.3	3.3	3	4.4
Sodium, Total	630	700	700	---
Thallium, Total	1.1	0.94	0.89	2.6
Vanadium, Total	27	28	23	550
Zinc, Total	98 B	63 B	58 B	5100
TCLP Metals (mg/l)				
Barium, TCLP	0.46 J	0.57	0.44 J	2
Manganese, TCLP	0.89	0.26	1.0	0.15
Zinc, TCLP	0.051 J	0.21 J	ND	5
SPLP Metals (mg/l)				
Arsenic, SPLP	0.086	0.063	0.059	0.05
Barium, SPLP	0.66	0.54	0.44 J	2
Beryllium, SPLP	0.007	0.0072	0.0054	0.004
Cadmium, SPLP	0.002 J	ND	ND	0.005
Chromium, SPLP	0.18	0.18	0.14	0.1
Cobalt, SPLP	0.054	0.048	0.048	1
Copper, SPLP	0.25	0.17	0.15	0.65
Iron, SPLP	200	170	140	5
Lead, SPLP	0.15	0.076	0.073	0.0075
Manganese, SPLP	0.67	0.58	0.57	0.15
Nickel, SPLP	0.22	0.18	0.17	0.1
Silver, SPLP	0.014 J	0.012 J	0.011 J	0.05
Zinc, SPLP	0.81	0.38 J	0.37 J	5

Notes:

--- - not applicable or value not available.

Only detected constituents are presented.

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

ND - Constituent not detected above the reporting limit.

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

J - Estimated concentration.

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: 500-166992-1
Client Project/Site: IDOT - Franklin Park - WO 067
Revision: 1

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

Attn: Mr. Andris Slesers

Authorized for release by:
7/30/2019 8:02:05 AM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: R1-1(0-1.5)-071819
Date Collected: 07/18/19 11:35
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-1
Matrix: Solid
Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.5	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Chloroethane	<4.3	*	4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*75 - 131*	*07/19/19 17:40*	*07/22/19 19:06*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*07/19/19 17:40*	*07/22/19 19:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*07/19/19 17:40*	*07/22/19 19:06*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*07/19/19 17:40*	*07/22/19 19:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210	F2 F1	210	45	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
1,2-Dichlorobenzene	<210	F2 F1	210	50	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
1,3-Dichlorobenzene	<210	F2 F1	210	47	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
1,4-Dichlorobenzene	<210	F2 F1	210	54	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2,2'-oxybis[1-chloropropane]	<210	F2 F1	210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1

Client Sample ID: R1-1(0-1.5)-071819
Date Collected: 07/18/19 11:35
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-1
Matrix: Solid
Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420	F2	420	96	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2,4,6-Trichlorophenol	<420	F2	420	140	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2,4-Dichlorophenol	<420	F2	420	99	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2,4-Dimethylphenol	<420	F2 F1	420	160	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2,4-Dinitrophenol	<840	F1	840	740	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2,4-Dinitrotoluene	<210	F2 F1	210	67	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2,6-Dinitrotoluene	<210	F2 F1	210	82	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2-Chloronaphthalene	<210	F2 F1	210	46	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2-Chlorophenol	<210	F2 F1	210	71	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2-Methylnaphthalene	<84	F2 F1	84	7.7	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2-Methylphenol	<210	F2 F1	210	67	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2-Nitroaniline	<210	F2 F1	210	56	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
2-Nitrophenol	<420	F2 F1	420	99	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
3 & 4 Methylphenol	<210	F2	210	70	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
3-Nitroaniline	<420	F2	420	130	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
4,6-Dinitro-2-methylphenol	<840	F2	840	340	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
4-Bromophenyl phenyl ether	<210	F2 F1	210	55	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
4-Chloro-3-methylphenol	<420	F2 F1	420	140	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
4-Chloroaniline	<840	F2	840	200	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
4-Chlorophenyl phenyl ether	<210	F2 F1	210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
4-Nitroaniline	<420	F2 F1	420	180	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
4-Nitrophenol	<840	F2	840	400	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Acenaphthene	<42	F2 F1	42	7.5	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Acenaphthylene	<42	F2 F1	42	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Anthracene	<42	F2 F1	42	7.0	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Benzo[a]anthracene	**12**	**J F2 F1**	42	5.6	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Benzo[a]pyrene	**13**	**J F2 F1**	42	8.1	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Benzo[b]fluoranthene	**24**	**J F2 F1**	42	9.0	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Benzo[g,h,i]perylene	**15**	**J F2 F1**	42	13	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Benzo[k]fluoranthene	<42	F2 F1	42	12	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Bis(2-chloroethoxy)methane	<210	F2 F1	210	43	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Bis(2-chloroethyl)ether	<210	F2 F1	210	63	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Bis(2-ethylhexyl) phthalate	<210	F2 F1	210	76	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Butyl benzyl phthalate	<210	F2 F1	210	80	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Carbazole	<210	F2	210	100	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Chrysene	**17**	**J F2**	42	11	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Dibenz(a,h)anthracene	<42	F2 F1	42	8.1	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Dibenzofuran	<210	F2 F1	210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Diethyl phthalate	<210	F2	210	71	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Dimethyl phthalate	<210	F2 F1	210	55	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Di-n-butyl phthalate	<210	F2 F1	210	64	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Di-n-octyl phthalate	<210	F2 F1	210	68	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Fluoranthene	**20**	**J F2 F1**	42	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Fluorene	<42	F2 F1	42	5.9	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Hexachlorobenzene	<84	F2	84	9.7	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Hexachlorobutadiene	<210	F2	210	66	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Hexachlorocyclopentadiene	<840	F1	840	240	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Hexachloroethane	<210	F2 F1	210	64	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1

Client Sample ID: R1-1(0-1.5)-071819
Date Collected: 07/18/19 11:35
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-1
Matrix: Solid
Percent Solids: 78.5

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	**11**	**J F2 F1**	42	11	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Isophorone	<210	F2 F1	210	47	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Naphthalene	<42	F2 F1	42	6.4	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Nitrobenzene	<42	F2 F1	42	10	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
N-Nitrosodi-n-propylamine	<84	F2 F1	84	51	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
N-Nitrosodiphenylamine	<210	F2 F1	210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Pentachlorophenol	<840	F2	840	670	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Phenanthrene	**8.3**	**J F2 F1**	42	5.8	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Phenol	<210	F2 F1	210	93	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1
Pyrene	**20**	**J F2**	42	8.3	ug/Kg	☼	07/22/19 07:31	07/23/19 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*115*		*31 - 143*	*07/22/19 07:31*	*07/23/19 12:48*	*1*
2-Fluorobiphenyl	*84*		*43 - 145*	*07/22/19 07:31*	*07/23/19 12:48*	*1*
2-Fluorophenol	*72*		*31 - 166*	*07/22/19 07:31*	*07/23/19 12:48*	*1*
Nitrobenzene-d5	*75*		*37 - 147*	*07/22/19 07:31*	*07/23/19 12:48*	*1*
Phenol-d5	*74*		*30 - 153*	*07/22/19 07:31*	*07/23/19 12:48*	*1*
Terphenyl-d14	*103*		*42 - 157*	*07/22/19 07:31*	*07/23/19 12:48*	*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		07/23/19 15:13	07/24/19 10:36	1
Barium	**0.46**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 10:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 10:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 10:36	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:36	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:36	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:36	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 10:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 10:36	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:36	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 10:36	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:36	1
Zinc	**0.051**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 10:36	1
Manganese	**0.89**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.086**		0.050	0.010	mg/L		07/23/19 15:10	07/24/19 16:51	1
Barium	**0.66**		0.50	0.050	mg/L		07/23/19 15:10	07/24/19 16:51	1
Beryllium	**0.0070**		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 16:51	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 16:51	1
Chromium	**0.18**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:51	1
Cobalt	**0.054**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:51	1
Copper	**0.25**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:51	1
Iron	**200**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 16:51	1
Lead	**0.15**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 16:51	1
Nickel	**0.22**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:51	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 16:51	1
Silver	**0.014**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:51	1

Client Sample ID: R1-1(0-1.5)-071819

Date Collected: 07/18/19 11:35
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-1

Matrix: Solid
Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.81		0.50	0.020	mg/L		07/23/19 15:10	07/25/19 10:50	1
Manganese	0.67		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J	1.2	0.23	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Arsenic	9.7		0.60	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Barium	77		0.60	0.068	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Beryllium	0.75		0.24	0.056	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Cadmium	0.30	B	0.12	0.022	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Calcium	23000	B	12	2.0	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Chromium	18		0.60	0.30	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Cobalt	13		0.30	0.078	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Copper	30		0.60	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Iron	21000		12	6.2	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Lead	42		0.30	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Magnesium	16000		6.0	3.0	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Manganese	440		0.60	0.087	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Nickel	34		0.60	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Potassium	2600		30	11	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Silver	3.3		0.30	0.077	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Sodium	630		60	8.9	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Thallium	1.1		0.60	0.30	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Vanadium	27		0.30	0.071	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1
Zinc	98	B	1.2	0.53	mg/Kg	☼	07/23/19 08:31	07/24/19 11:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 08:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.50		0.50	0.50	ug/L		07/24/19 10:25	07/25/19 09:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		21	6.9	ug/Kg	☼	07/23/19 14:55	07/24/19 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			07/24/19 15:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: R1-2(0-3)-071819
Date Collected: 07/18/19 12:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-2
Matrix: Solid
Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.2	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Bromoform	<1.7		1.7	0.48	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Bromomethane	<4.1		4.1	1.6	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Carbon disulfide	<4.1		4.1	0.86	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Chloroethane	<4.1	*	4.1	1.2	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Chloromethane	<4.1		4.1	1.7	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
cis-1,2-Dichloroethene	<1.7		1.7	0.46	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Ethylbenzene	<1.7		1.7	0.79	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Vinyl chloride	<1.7		1.7	0.73	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	07/19/19 17:40	07/22/19 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 131*	*07/19/19 17:40*	*07/22/19 19:32*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*07/19/19 17:40*	*07/22/19 19:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*07/19/19 17:40*	*07/22/19 19:32*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*07/19/19 17:40*	*07/22/19 19:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
1,2-Dichlorobenzene	<200		200	49	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1

Client Sample ID: R1-2(0-3)-071819
Date Collected: 07/18/19 12:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-2
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	<400		400	93	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2,4-Dichlorophenol	<400		400	97	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2,4-Dinitrotoluene	<200		200	65	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2-Methylnaphthalene	<82		82	7.5	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2-Methylphenol	<200		200	65	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
4-Bromophenyl phenyl ether	<200		200	54	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
4-Chlorophenyl phenyl ether	<200		200	48	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Acenaphthylene	<40		40	5.4	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Anthracene	<40		40	6.8	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Benzo[a]anthracene	<40		40	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Benzo[a]pyrene	<40		40	7.9	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Benzo[b]fluoranthene	**9.2**	**J**	40	8.8	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Bis(2-chloroethoxy)methane	<200		200	42	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Carbazole	<200		200	100	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Chrysene	<40		40	11	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Dibenz(a,h)anthracene	<40		40	7.9	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Dibenzofuran	<200		200	48	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Fluorene	<40		40	5.7	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Hexachloroethane	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1

Client Sample ID: R1-2(0-3)-071819
Date Collected: 07/18/19 12:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-2
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	<40		40	11	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Isophorone	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Naphthalene	<40		40	6.3	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Nitrobenzene	<40		40	10	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
N-Nitrosodi-n-propylamine	<82		82	50	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Phenanthrene	<40		40	5.7	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Phenol	<200		200	90	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1
Pyrene	<40		40	8.1	ug/Kg	☼	07/22/19 07:31	07/23/19 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*120*		*31 - 143*	*07/22/19 07:31*	*07/23/19 13:12*	*1*
2-Fluorobiphenyl	*93*		*43 - 145*	*07/22/19 07:31*	*07/23/19 13:12*	*1*
2-Fluorophenol	*77*		*31 - 166*	*07/22/19 07:31*	*07/23/19 13:12*	*1*
Nitrobenzene-d5	*84*		*37 - 147*	*07/22/19 07:31*	*07/23/19 13:12*	*1*
Phenol-d5	*79*		*30 - 153*	*07/22/19 07:31*	*07/23/19 13:12*	*1*
Terphenyl-d14	*105*		*42 - 157*	*07/22/19 07:31*	*07/23/19 13:12*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 15:13	07/24/19 10:41	1
Barium	**0.57**		0.50	0.050	mg/L		07/23/19 15:13	07/24/19 10:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 10:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 10:41	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:41	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:41	1
Copper	**0.024**	**J B**	0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:41	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 10:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 14:54	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:41	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 10:41	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:41	1
Zinc	**0.21**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 10:41	1
Manganese	**0.26**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:41	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		07/23/19 15:10	07/24/19 16:55	1
Barium	**0.54**		0.50	0.050	mg/L		07/23/19 15:10	07/24/19 16:55	1
Beryllium	**0.0072**		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 16:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 16:55	1
Chromium	**0.18**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:55	1
Cobalt	**0.048**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:55	1
Copper	**0.17**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:55	1
Iron	**170**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 16:55	1
Lead	**0.076**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 16:55	1
Nickel	**0.18**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:55	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 16:55	1
Silver	**0.012**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:55	1

Client Sample ID: R1-2(0-3)-071819

Date Collected: 07/18/19 12:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-2

Matrix: Solid
Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.38	J ^	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 16:55	1
Manganese	0.58		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	1.2	0.23	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Arsenic	11		0.59	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Barium	77		0.59	0.067	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Beryllium	0.79		0.24	0.055	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Cadmium	0.25	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Calcium	29000	B	12	2.0	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Chromium	19		0.59	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Cobalt	14		0.30	0.078	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Copper	27		0.59	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Iron	24000		12	6.2	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Lead	21		0.30	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Magnesium	18000		5.9	2.9	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Manganese	570		0.59	0.086	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Nickel	36		0.59	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Potassium	3000		30	10	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Silver	3.3		0.30	0.076	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Sodium	700		59	8.8	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Thallium	0.94		0.59	0.30	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Vanadium	28		0.30	0.070	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1
Zinc	63	B	1.2	0.52	mg/Kg	☼	07/23/19 08:31	07/24/19 11:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.33		0.33	0.33	ug/L		07/24/19 10:25	07/25/19 09:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	20	6.5	ug/Kg	☼	07/23/19 14:55	07/24/19 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			07/24/19 15:35	1

Client Sample ID: R1-2(3-7)-071819

Date Collected: 07/18/19 12:30
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-3

Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.1	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Carbon disulfide	<4.1		4.1	0.85	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Chloroethane	<4.1	*	4.1	1.2	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1
Xylenes, Total	<3.3		3.3	0.52	ug/Kg	☼	07/19/19 17:40	07/22/19 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*75 - 131*	*07/19/19 17:40*	*07/22/19 19:58*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*07/19/19 17:40*	*07/22/19 19:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*07/19/19 17:40*	*07/22/19 19:58*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*07/19/19 17:40*	*07/22/19 19:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: R1-2(3-7)-071819
Date Collected: 07/18/19 12:30
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-3
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2-Methylphenol	<200		200	63	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Anthracene	<39		39	6.5	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Benzo[b]fluoranthene	**10**	**J**	39	8.5	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Carbazole	<200		200	98	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Chrysene	**17**	**J**	39	11	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Dibenzofuran	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Fluorene	<39		39	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Hexachloroethane	<200		200	60	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1

Client Sample ID: R1-2(3-7)-071819

Date Collected: 07/18/19 12:30
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-3

Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Isophorone	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Naphthalene	<39		39	6.0	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Phenol	<200		200	87	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1
Pyrene	<39		39	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*104*		*31 - 143*	*07/22/19 07:31*	*07/23/19 13:37*	*1*
2-Fluorobiphenyl	*87*		*43 - 145*	*07/22/19 07:31*	*07/23/19 13:37*	*1*
2-Fluorophenol	*74*		*31 - 166*	*07/22/19 07:31*	*07/23/19 13:37*	*1*
Nitrobenzene-d5	*77*		*37 - 147*	*07/22/19 07:31*	*07/23/19 13:37*	*1*
Phenol-d5	*72*		*30 - 153*	*07/22/19 07:31*	*07/23/19 13:37*	*1*
Terphenyl-d14	*101*		*42 - 157*	*07/22/19 07:31*	*07/23/19 13:37*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 15:13	07/24/19 10:45	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 10:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 10:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 10:45	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:45	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:45	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:45	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 10:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 14:58	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:45	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 10:45	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:45	1
Zinc	<0.50		0.50	0.020	mg/L		07/23/19 15:13	07/24/19 10:45	1
Manganese	**1.0**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.059**		0.050	0.010	mg/L		07/23/19 15:10	07/24/19 16:59	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		07/23/19 15:10	07/24/19 16:59	1
Beryllium	**0.0054**		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 16:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 16:59	1
Chromium	**0.14**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:59	1
Cobalt	**0.048**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:59	1
Copper	**0.15**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:59	1
Iron	**140**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 16:59	1
Lead	**0.073**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 16:59	1
Nickel	**0.17**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:59	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 16:59	1
Silver	**0.011**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:59	1

Client Sample ID: R1-2(3-7)-071819
Date Collected: 07/18/19 12:30
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-3
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.37	J ^	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 16:59	1
Manganese	0.57		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 16:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.22	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Arsenic	8.2		0.58	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Barium	51		0.58	0.066	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Beryllium	0.72		0.23	0.054	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Cadmium	0.21	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Calcium	57000	B	58	9.7	mg/Kg	☼	07/23/19 08:31	07/24/19 19:12	5
Chromium	18		0.58	0.28	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Cobalt	13		0.29	0.075	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Copper	26		0.58	0.16	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Iron	20000		12	6.0	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Lead	13		0.29	0.13	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Magnesium	22000		5.8	2.9	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Manganese	300		0.58	0.083	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Nickel	33		0.58	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Potassium	3800		29	10	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Silver	3.0		0.29	0.074	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Sodium	700		58	8.5	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Thallium	0.89		0.58	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Vanadium	23		0.29	0.068	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1
Zinc	58	B	1.2	0.50	mg/Kg	☼	07/23/19 08:31	07/24/19 11:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 08:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.33		0.33	0.33	ug/L		07/24/19 10:25	07/25/19 09:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	19	6.3	ug/Kg	☼	07/23/19 14:55	07/24/19 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.0		0.2	0.2	SU			07/24/19 15:37	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-166992-1
Project/Site: IDOT - Franklin Park - WO 067

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
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: 500-166992-1
Project/Site: IDOT - Franklin Park - WO 067

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	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 6(
Phone: 708.534.5200 Fax: 708.53

500-166992 COC

Chain of Custody Record

Lab Job #: 500-166992

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 2.1/5.2/4.0

Report To (optional)	Bill To (optional)
Contact: Andris Sleseks	Contact: SAME
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Andris.Sleseks@WestonSolutions.com	PO#/Reference#

Client: Weston | Client Project #:

Project Name: IDOT FAU 1381

Project Location/State: Franklin Park, IL | Lab Project #:

Sampler: C. Pence | Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		R1-1 (0-1.5)-071819	7/18/19	1135	6	S		X	X	X	X	X					
2		R1-2 (0-3)-071819		1025													
3		R1-2 (3-7)-071819		1030													
4		R3-1 (0-5.5)-071819		1045													
5		R3-1 (0-5.5)-071819D		1045													
6		R3-2 (0-3)-071819		1300													
7		R3-2 (3-7)-071819		1305													
8		GP-1 (0-4)-071819		1310													
9		GP-2 (0-4)-071819		1315													
10		GP-3 (0-4)-071819		1325													

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

Elmhurst

503325

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 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)

	Company	Date	Time		Company	Date	Time
Relinquished By	Weston	7/18/19	1715	Received By	TA	7/18/19	1715
Relinquished By	TA	7/19/19	0910	Received By	TA	7/19/19	0910
Relinquished By	TA	7/19/19	0953	Received By	TA-CHI	7/19/19	0953

Lab Courier: DA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-106992

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: Andrs Slesers	Contact:
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Andrs.Slesers@westonsolutions.com	PO#/Reference#

Client: Weston | Client Project #:

Project Name: IDOT FAU 1391

Project Location/State: Franklin Park IL | Lab Project #:

Sampler: C. Peron | 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	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP Metals	PAH	Comments
11		GP-4 (0-4)-071819	7/18/19	1330	6	S	X	X	X	X	X	
12		GP-5 (0-6.5)-071819		1335								
13		GP-6 (0-6.5)-071819		1345								
14		GP-7 (0-5)-071819		1400								
15		GP-7 (0-5)-071819 D		1400								
16		GP-7 (5-11)-071819		1410								
17		GP-8 (0-5)-071819		1420								
18		GP-8 (5-11)-071819		1425								
19		RS-1 (0-6.5)-071819		1440								
20		RS-2 (0-6.5)-071819		1445								

Elmhurst
503325

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 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	7/18/19	1715		TA	7/18/19	1915
	TA	7/19/19	0910		TA	7/19/19	0910
	TA	7/19/19	0953		TA-CHL	7/19/19	0953

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-166992-1

Login Number: 166992
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1,5.2,4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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 1381: Fullerton Ave-Sarah St to Silver Creek Dr Office Phone Number, if available: _____

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

2405-2417 Sarah St. (ISGS Site No. 2791V-3)

City: Franklin Park State: IL Zip Code: 60131

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: 41.92216 (Decimal Degrees) Longitude: - 87.87812 (-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): _____ Approximate End Date (mm/dd/yyyy): _____

Estimated Volume of debris (cu. Yd.): 219

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 1381: Fullerton Ave-Sarah St to Silver Creek Dr Latitude: 41.92216 Longitude: - 87.87812

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 R3-1 AND R3-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 2791V-3. 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: 500-166992-1.
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, Margaret Doheny-Skubic, 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

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

8/14/2019
Date:

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

LICENSED PROFESSIONAL GEOLOGIST
MARGARET DOHENY-SKUBIC
196.001449
ILLINOIS

Summary Table of ISGS Site No. 2791V-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1381: Fullerton Avenue from Sarah Street to Silver Creek Drive
Franklin Park, Cook County, Illinois

Field Sample ID	R3-1(0-5.5)-071819	R3-1(0-5.5)-071819D	R3-2(0-3)-071819	R3-2(3-7)-071819	Soil Reference Concentrations[A]
Sample Date	7/18/2019	7/18/2019	7/18/2019	7/18/2019	
Location ID	R3-1	R3-1	R3-2	R3-2	
Depth	0 - 5.5	0 - 5.5	0 - 3	3 - 7	
Parameter					
Laboratory pH (s.u.)	8.8 J	8.8 J	7.9 J	8.8 J	<6.25; >9.0
VOCs	**No Detections**				
SVOCs (ug/kg)					
Benzo(a)anthracene	ND	ND	7.6 J	ND	900 / 1100 / 1800
Benzo(b)fluoranthene	ND	ND	12 J	ND	900 / 1500 / 2100
Fluoranthene	ND	ND	9.6 J	ND	3100000
Pyrene	ND	ND	10 J	ND	2300000
Total Metals (mg/kg)					
Antimony, Total	0.34 J	ND	ND	0.34 J	5
Arsenic, Total	7.8	7.3	8.5	13	11.3 / 13.0
Barium, Total	52	81	140	46	1500
Beryllium, Total	0.54	0.63	0.81	0.66	22
Calcium, Total	51000 J	12000 J	3300 B	35000 B	---
Chromium, Total	14	16	19	16	21
Cobalt, Total	8.7	14	15	12	20
Copper, Total	19	19	27	37	2900
Iron, Total	16000	18000	21000	24000	15000 / 15900
Lead, Total	13	19	21	21	107
Magnesium, Total	26000 J	9800 J	3800	25000	325000
Manganese, Total	420	560	530	320	630 / 636
Mercury, Total	0.027 J	0.023 J	0.024 J	0.014 J	0.89
Nickel, Total	23	31	31	35	100
Potassium, Total	2100	1700	1300	2600	---
Silver, Total	2.8	3.6	3.4	3	4.4
Sodium, Total	620	850	680	480	---
Thallium, Total	0.78	0.99	0.71	0.99	2.6
Vanadium, Total	23	23	29	26	550
Zinc, Total	81 B	98 B	78 B	76 B	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.44 J	0.46 J	0.17 J	0.44 J	2
Cadmium, TCLP	0.0022 J	0.0026 J	ND	0.0022 J	0.005
Cobalt, TCLP	ND	ND	ND	0.019 J	1
Manganese, TCLP	1.1	1.4	0.048	3.4	0.15
Nickel, TCLP	ND	0.012 J	ND	0.017 J	0.1
Zinc, TCLP	0.14 J	0.17 J	0.32 J	0.07 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.058	0.04 J	0.042 J	0.054	0.05
Barium, SPLP	0.63	0.34 J	0.89	0.42 J	2
Beryllium, SPLP	0.0064	0.0041	0.0079	0.0051	0.004
Cadmium, SPLP	ND	ND	0.0024 J	ND	0.005
Chromium, SPLP	0.2	0.12	0.22	0.14	0.1
Cobalt, SPLP	0.042	0.023 J	0.042	0.067	1
Copper, SPLP	0.17 J	0.1 J	0.2	0.15	0.65
Iron, SPLP	200	120	200	140	5
Lead, SPLP	0.1	0.055	0.11	0.12	0.0075
Manganese, SPLP	0.65	0.35	0.54	0.94	0.15
Mercury, SPLP	0.00061	ND	ND	ND	0.002
Nickel, SPLP	0.15	0.084	0.19	0.18	0.1
Silver, SPLP	0.015 J	ND	0.015 J	0.011 J	0.05
Zinc, SPLP	1.1	0.45 J	0.99	0.36 J	5

Notes:

--- - not applicable or value not available.

Only detected constituents are presented.

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

ND - Constituent not detected above the reporting limit.

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

J - Estimated concentration.

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: 500-166992-1
Client Project/Site: IDOT - Franklin Park - WO 067
Revision: 1

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

Attn: Mr. Andris Slesers

Authorized for release by:
7/30/2019 8:02:05 AM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: R3-1(0-5.5)-071819
Date Collected: 07/18/19 12:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-4
Matrix: Solid
Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.7	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Carbon disulfide	<4.4		4.4	0.92	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Chlorobenzene	<1.8		1.8	0.66	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Chloroethane	<4.4	*	4.4	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
1,3-Dichloropropene, Total	<1.8		1.8	0.62	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Ethylbenzene	<1.8		1.8	0.85	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Methyl Ethyl Ketone	<4.4		4.4	2.0	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
trans-1,2-Dichloroethene	<1.8		1.8	0.79	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
1,1,2-Trichloroethane	<1.8		1.8	0.76	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Vinyl chloride	<1.8		1.8	0.79	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1
Xylenes, Total	<3.6		3.6	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*75 - 131*	*07/19/19 17:40*	*07/22/19 20:23*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*07/19/19 17:40*	*07/22/19 20:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*07/19/19 17:40*	*07/22/19 20:23*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*07/19/19 17:40*	*07/22/19 20:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1

Client Sample ID: R3-1(0-5.5)-071819
Date Collected: 07/18/19 12:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-4
Matrix: Solid
Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	95	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2-Methylnaphthalene	<84		84	7.7	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2-Methylphenol	<210		210	67	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
4,6-Dinitro-2-methylphenol	<840		840	330	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Anthracene	<41		41	7.0	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Benzo[a]anthracene	<41		41	5.6	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Benzo[a]pyrene	<41		41	8.1	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Benzo[b]fluoranthene	<41		41	9.0	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Carbazole	<210		210	100	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Chrysene	<41		41	11	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Dibenzofuran	<210		210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Fluoranthene	<41		41	7.7	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Fluorene	<41		41	5.9	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Hexachlorobenzene	<84		84	9.6	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Hexachloroethane	<210		210	63	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1

Client Sample ID: R3-1(0-5.5)-071819

Date Collected: 07/18/19 12:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-4

Matrix: Solid
Percent Solids: 79.5

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	<41		41	11	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Isophorone	<210		210	47	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Naphthalene	<41		41	6.4	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Nitrobenzene	<41		41	10	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
N-Nitrosodi-n-propylamine	<84		84	51	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Phenanthrene	<41		41	5.8	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Phenol	<210		210	92	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1
Pyrene	<41		41	8.3	ug/Kg	☼	07/22/19 07:31	07/23/19 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*114*		*31 - 143*	*07/22/19 07:31*	*07/23/19 14:02*	*1*
2-Fluorobiphenyl	*87*		*43 - 145*	*07/22/19 07:31*	*07/23/19 14:02*	*1*
2-Fluorophenol	*75*		*31 - 166*	*07/22/19 07:31*	*07/23/19 14:02*	*1*
Nitrobenzene-d5	*77*		*37 - 147*	*07/22/19 07:31*	*07/23/19 14:02*	*1*
Phenol-d5	*77*		*30 - 153*	*07/22/19 07:31*	*07/23/19 14:02*	*1*
Terphenyl-d14	*104*		*42 - 157*	*07/22/19 07:31*	*07/23/19 14:02*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 15:13	07/24/19 10:49	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 10:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 10:49	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 10:49	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:49	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:49	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:49	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 10:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 10:49	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:49	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 10:49	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:49	1
Zinc	**0.14**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 10:49	1
Manganese	**1.1**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 10:49	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		07/23/19 15:10	07/24/19 17:03	1
Barium	**0.63**		0.50	0.050	mg/L		07/23/19 15:10	07/24/19 17:03	1
Beryllium	**0.0064**		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 17:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 17:03	1
Chromium	**0.20**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:03	1
Cobalt	**0.042**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:03	1
Copper	**0.17**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:03	1
Iron	**200**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 17:03	1
Lead	**0.10**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 17:03	1
Nickel	**0.15**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:03	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 17:03	1
Silver	**0.015**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:03	1

Client Sample ID: R3-1(0-5.5)-071819
Date Collected: 07/18/19 12:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-4
Matrix: Solid
Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	1.1		0.50	0.020	mg/L		07/23/19 15:10	07/25/19 10:54	1
Manganese	0.65		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.2	0.23	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Arsenic	7.8		0.59	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Barium	52		0.59	0.067	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Beryllium	0.54		0.24	0.055	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Cadmium	0.22	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Calcium	51000	B	59	10	mg/Kg	☼	07/23/19 08:31	07/24/19 19:16	5
Chromium	14		0.59	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Cobalt	8.7		0.29	0.077	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Copper	19		0.59	0.16	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Iron	16000		12	6.1	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Lead	13		0.29	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Magnesium	26000		5.9	2.9	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Manganese	420		0.59	0.085	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Nickel	23		0.59	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Potassium	2100		29	10	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Silver	2.8		0.29	0.076	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Sodium	620		59	8.7	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Thallium	0.78		0.59	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Vanadium	23		0.29	0.070	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1
Zinc	81	B	1.2	0.52	mg/Kg	☼	07/23/19 08:31	07/24/19 11:51	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 08:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.61		0.50	0.50	ug/L		07/24/19 10:25	07/25/19 09:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27		20	6.7	ug/Kg	☼	07/23/19 14:55	07/24/19 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			07/24/19 15:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: R3-1(0-5.5)-071819D
Date Collected: 07/18/19 12:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-5
Matrix: Solid
Percent Solids: 76.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<19		19	8.1	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Benzene	<1.9		1.9	0.48	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Bromoform	<1.9		1.9	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Carbon disulfide	<4.7		4.7	0.97	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Carbon tetrachloride	<1.9		1.9	0.54	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Chlorobenzene	<1.9		1.9	0.69	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Chloroethane	<4.7	*	4.7	1.4	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Chloroform	<1.9		1.9	0.65	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Chloromethane	<4.7		4.7	1.9	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
cis-1,2-Dichloroethene	<1.9		1.9	0.52	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
cis-1,3-Dichloropropene	<1.9		1.9	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
1,1-Dichloroethane	<1.9		1.9	0.64	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
1,1-Dichloroethene	<1.9		1.9	0.64	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
1,2-Dichloropropane	<1.9		1.9	0.48	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
1,3-Dichloropropene, Total	<1.9		1.9	0.66	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Ethylbenzene	<1.9		1.9	0.89	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Methylene Chloride	<4.7		4.7	1.8	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Methyl Ethyl Ketone	<4.7		4.7	2.1	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Methyl tert-butyl ether	<1.9		1.9	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Styrene	<1.9		1.9	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Tetrachloroethene	<1.9		1.9	0.64	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
trans-1,2-Dichloroethene	<1.9		1.9	0.83	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
trans-1,3-Dichloropropene	<1.9		1.9	0.66	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
1,1,1-Trichloroethane	<1.9		1.9	0.63	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
1,1,2-Trichloroethane	<1.9		1.9	0.80	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Trichloroethene	<1.9		1.9	0.63	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Vinyl chloride	<1.9		1.9	0.83	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1
Xylenes, Total	<3.7		3.7	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*75 - 131*	*07/19/19 17:40*	*07/22/19 20:49*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*07/19/19 17:40*	*07/22/19 20:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*07/19/19 17:40*	*07/22/19 20:49*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*07/19/19 17:40*	*07/22/19 20:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<220		220	47	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
1,2-Dichlorobenzene	<220		220	52	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
1,3-Dichlorobenzene	<220		220	49	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
1,4-Dichlorobenzene	<220		220	56	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2,2'-oxybis[1-chloropropane]	<220		220	51	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1

Client Sample ID: R3-1(0-5.5)-071819D
Date Collected: 07/18/19 12:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-5
Matrix: Solid
Percent Solids: 76.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<430		430	100	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2,4,6-Trichlorophenol	<430		430	150	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2,4-Dichlorophenol	<430		430	100	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2,4-Dimethylphenol	<430		430	170	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2,4-Dinitrophenol	<880		880	770	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2,4-Dinitrotoluene	<220		220	69	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2,6-Dinitrotoluene	<220		220	86	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2-Chloronaphthalene	<220		220	48	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2-Chlorophenol	<220		220	75	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2-Methylnaphthalene	<88		88	8.0	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2-Methylphenol	<220		220	70	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2-Nitroaniline	<220		220	59	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
2-Nitrophenol	<430		430	100	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
3 & 4 Methylphenol	<220		220	73	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
3,3'-Dichlorobenzidine	<220		220	61	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
3-Nitroaniline	<430		430	140	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
4,6-Dinitro-2-methylphenol	<880		880	350	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
4-Bromophenyl phenyl ether	<220		220	58	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
4-Chloro-3-methylphenol	<430		430	150	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
4-Chloroaniline	<880		880	210	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
4-Chlorophenyl phenyl ether	<220		220	51	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
4-Nitroaniline	<430		430	180	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
4-Nitrophenol	<880		880	420	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Acenaphthene	<43		43	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Acenaphthylene	<43		43	5.8	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Anthracene	<43		43	7.3	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Benzo[a]anthracene	<43		43	5.9	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Benzo[a]pyrene	<43		43	8.5	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Benzo[b]fluoranthene	<43		43	9.4	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Benzo[g,h,i]perylene	<43		43	14	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Benzo[k]fluoranthene	<43		43	13	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Bis(2-chloroethoxy)methane	<220		220	45	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Bis(2-chloroethyl)ether	<220		220	65	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Bis(2-ethylhexyl) phthalate	<220		220	80	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Butyl benzyl phthalate	<220		220	83	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Carbazole	<220		220	110	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Chrysene	<43		43	12	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Dibenz(a,h)anthracene	<43		43	8.4	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Dibenzofuran	<220		220	51	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Diethyl phthalate	<220		220	74	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Dimethyl phthalate	<220		220	57	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Di-n-butyl phthalate	<220		220	67	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Di-n-octyl phthalate	<220		220	71	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Fluoranthene	<43		43	8.1	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Fluorene	<43		43	6.1	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Hexachlorobenzene	<88		88	10	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Hexachlorobutadiene	<220		220	69	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Hexachlorocyclopentadiene	<880		880	250	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Hexachloroethane	<220		220	66	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1

Client Sample ID: R3-1(0-5.5)-071819D
Date Collected: 07/18/19 12:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-5
Matrix: Solid
Percent Solids: 76.0

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	<43		43	11	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Isophorone	<220		220	49	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Naphthalene	<43		43	6.7	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Nitrobenzene	<43		43	11	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
N-Nitrosodi-n-propylamine	<88		88	53	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
N-Nitrosodiphenylamine	<220		220	52	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Pentachlorophenol	<880		880	700	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Phenanthrene	<43		43	6.1	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Phenol	<220		220	97	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1
Pyrene	<43		43	8.7	ug/Kg	☼	07/22/19 07:31	07/23/19 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*113*		*31 - 143*	*07/22/19 07:31*	*07/23/19 14:26*	*1*
2-Fluorobiphenyl	*76*		*43 - 145*	*07/22/19 07:31*	*07/23/19 14:26*	*1*
2-Fluorophenol	*70*		*31 - 166*	*07/22/19 07:31*	*07/23/19 14:26*	*1*
Nitrobenzene-d5	*67*		*37 - 147*	*07/22/19 07:31*	*07/23/19 14:26*	*1*
Phenol-d5	*72*		*30 - 153*	*07/22/19 07:31*	*07/23/19 14:26*	*1*
Terphenyl-d14	*97*		*42 - 157*	*07/22/19 07:31*	*07/23/19 14:26*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 15:13	07/24/19 11:01	1
Barium	**0.46**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 11:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 11:01	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 11:01	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 15:03	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:01	1
Copper	**0.017**	**J B**	0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:01	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 11:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 11:01	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:01	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 11:01	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:01	1
Zinc	**0.17**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 11:01	1
Manganese	**1.4**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.040**	**J**	0.050	0.010	mg/L		07/23/19 15:10	07/24/19 17:07	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		07/23/19 15:10	07/24/19 17:07	1
Beryllium	**0.0041**		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 17:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 17:07	1
Chromium	**0.12**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:07	1
Cobalt	**0.023**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:07	1
Copper	**0.10**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:07	1
Iron	**120**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 17:07	1
Lead	**0.055**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 17:07	1
Nickel	**0.084**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:07	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 17:07	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:07	1

Client Sample ID: R3-1(0-5.5)-071819D
Date Collected: 07/18/19 12:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-5
Matrix: Solid
Percent Solids: 76.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.45	J ^	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 17:07	1
Manganese	0.35		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:07	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	☼	07/23/19 08:31	07/24/19 11:55	1
Arsenic	7.3		0.60	0.21	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Barium	81		0.60	0.069	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Beryllium	0.63		0.24	0.056	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Cadmium	0.25	B	0.12	0.022	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Calcium	12000	B	12	2.0	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Chromium	16		0.60	0.30	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Cobalt	14		0.30	0.079	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Copper	19		0.60	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Iron	18000		12	6.3	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Lead	19		0.30	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Magnesium	9800		6.0	3.0	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Manganese	560		0.60	0.087	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Nickel	31		0.60	0.18	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Potassium	1700		30	11	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Silver	3.6		0.30	0.078	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Sodium	850		60	8.9	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Thallium	0.99		0.60	0.30	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Vanadium	23		0.30	0.071	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1
Zinc	98	B	1.2	0.53	mg/Kg	☼	07/23/19 08:31	07/24/19 11:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 08:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.50		0.50	0.50	ug/L		07/24/19 10:25	07/25/19 09:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		21	7.0	ug/Kg	☼	07/23/19 14:55	07/24/19 08:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			07/24/19 15:41	1

Client Sample ID: R3-2(0-3)-071819

Date Collected: 07/18/19 13:00
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-6

Matrix: Solid
Percent Solids: 78.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<19		19	8.3	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Benzene	<1.9		1.9	0.48	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Bromodichloromethane	<1.9		1.9	0.39	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Bromoform	<1.9		1.9	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Carbon disulfide	<4.7		4.7	0.99	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Carbon tetrachloride	<1.9		1.9	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Chlorobenzene	<1.9		1.9	0.70	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Chloroethane	<4.7	*	4.7	1.4	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Chloroform	<1.9		1.9	0.66	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Chloromethane	<4.7		4.7	1.9	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
cis-1,2-Dichloroethene	<1.9		1.9	0.53	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
cis-1,3-Dichloropropene	<1.9		1.9	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Dibromochloromethane	<1.9		1.9	0.62	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
1,1-Dichloroethane	<1.9		1.9	0.65	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
1,1-Dichloroethene	<1.9		1.9	0.65	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
1,2-Dichloropropane	<1.9		1.9	0.49	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
1,3-Dichloropropene, Total	<1.9		1.9	0.67	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Ethylbenzene	<1.9		1.9	0.91	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Methylene Chloride	<4.7		4.7	1.9	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Methyl Ethyl Ketone	<4.7		4.7	2.1	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Methyl tert-butyl ether	<1.9		1.9	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Styrene	<1.9		1.9	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Tetrachloroethene	<1.9		1.9	0.65	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Toluene	<1.9		1.9	0.48	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
trans-1,2-Dichloroethene	<1.9		1.9	0.84	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
trans-1,3-Dichloropropene	<1.9		1.9	0.67	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
1,1,1-Trichloroethane	<1.9		1.9	0.64	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
1,1,2-Trichloroethane	<1.9		1.9	0.81	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Trichloroethene	<1.9		1.9	0.64	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Vinyl chloride	<1.9		1.9	0.84	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1
Xylenes, Total	<3.8		3.8	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*75 - 131*	*07/19/19 17:40*	*07/22/19 21:15*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*07/19/19 17:40*	*07/22/19 21:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*07/19/19 17:40*	*07/22/19 21:15*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*07/19/19 17:40*	*07/22/19 21:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	46	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
1,2-Dichlorobenzene	<210		210	51	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1

Client Sample ID: R3-2(0-3)-071819
Date Collected: 07/18/19 13:00
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-6
Matrix: Solid
Percent Solids: 78.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	97	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2,4-Dinitrophenol	<860		860	750	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2,4-Dinitrotoluene	<210		210	68	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2,6-Dinitrotoluene	<210		210	84	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2-Chlorophenol	<210		210	73	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2-Methylnaphthalene	<86		86	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2-Methylphenol	<210		210	68	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
3 & 4 Methylphenol	<210		210	71	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
4,6-Dinitro-2-methylphenol	<860		860	340	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
4-Chloroaniline	<860		860	200	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
4-Chlorophenyl phenyl ether	<210		210	50	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
4-Nitrophenol	<860		860	400	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Acenaphthene	<42		42	7.6	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Acenaphthylene	<42		42	5.6	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Anthracene	<42		42	7.1	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Benzo[a]anthracene	**7.6**	**J**	42	5.7	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Benzo[a]pyrene	<42		42	8.2	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Benzo[b]fluoranthene	**12**	**J**	42	9.2	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Benzo[g,h,i]perylene	<42		42	14	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Benzo[k]fluoranthene	<42		42	13	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Bis(2-chloroethyl)ether	<210		210	64	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Bis(2-ethylhexyl) phthalate	<210		210	78	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Butyl benzyl phthalate	<210		210	81	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Carbazole	<210		210	110	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Chrysene	<42		42	12	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Dibenz(a,h)anthracene	<42		42	8.2	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Dibenzofuran	<210		210	50	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Dimethyl phthalate	<210		210	56	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Di-n-butyl phthalate	<210		210	65	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Fluoranthene	**9.6**	**J**	42	7.9	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Fluorene	<42		42	6.0	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Hexachlorobenzene	<86		86	9.8	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Hexachlorobutadiene	<210		210	67	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Hexachlorocyclopentadiene	<860		860	240	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Hexachloroethane	<210		210	65	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1

Client Sample ID: R3-2(0-3)-071819
Date Collected: 07/18/19 13:00
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-6
Matrix: Solid
Percent Solids: 78.1

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	<42		42	11	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Isophorone	<210		210	48	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Naphthalene	<42		42	6.5	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Nitrobenzene	<42		42	11	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
N-Nitrosodi-n-propylamine	<86		86	52	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Pentachlorophenol	<860		860	680	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Phenanthrene	<42		42	5.9	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Phenol	<210		210	94	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1
Pyrene	**10**	**J**	42	8.4	ug/Kg	☼	07/22/19 07:31	07/23/19 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*114*		*31 - 143*	*07/22/19 07:31*	*07/23/19 14:51*	*1*
2-Fluorobiphenyl	*83*		*43 - 145*	*07/22/19 07:31*	*07/23/19 14:51*	*1*
2-Fluorophenol	*75*		*31 - 166*	*07/22/19 07:31*	*07/23/19 14:51*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*07/22/19 07:31*	*07/23/19 14:51*	*1*
Phenol-d5	*76*		*30 - 153*	*07/22/19 07:31*	*07/23/19 14:51*	*1*
Terphenyl-d14	*100*		*42 - 157*	*07/22/19 07:31*	*07/23/19 14:51*	*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		07/23/19 15:13	07/24/19 11:05	1
Barium	**0.17**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 11:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 11:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 11:05	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 15:07	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:05	1
Copper	**0.019**	**J B**	0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:05	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 11:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 11:05	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:05	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 11:05	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:05	1
Zinc	**0.32**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 11:05	1
Manganese	**0.048**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:05	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		07/23/19 15:10	07/24/19 17:11	1
Barium	**0.89**		0.50	0.050	mg/L		07/23/19 15:10	07/24/19 17:11	1
Beryllium	**0.0079**		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 17:11	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 17:11	1
Chromium	**0.22**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:11	1
Cobalt	**0.042**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:11	1
Copper	**0.20**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:11	1
Iron	**200**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 17:11	1
Lead	**0.11**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 17:11	1
Nickel	**0.19**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:11	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 17:11	1
Silver	**0.015**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:11	1

Client Sample ID: R3-2(0-3)-071819

Date Collected: 07/18/19 13:00
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-6

Matrix: Solid
Percent Solids: 78.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.99		0.50	0.020	mg/L		07/23/19 15:10	07/25/19 10:58	1
Manganese	0.54		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:11	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	☼	07/23/19 08:31	07/24/19 11:59	1
Arsenic	8.5		0.59	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Barium	140		0.59	0.068	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Beryllium	0.81		0.24	0.055	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Cadmium	0.36	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Calcium	3300	B	12	2.0	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Chromium	19		0.59	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Cobalt	15		0.30	0.078	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Copper	27		0.59	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Iron	21000		12	6.2	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Lead	21		0.30	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Magnesium	3800		5.9	2.9	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Manganese	530		0.59	0.086	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Nickel	31		0.59	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Potassium	1300		30	10	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Silver	3.4		0.30	0.076	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Sodium	680		59	8.8	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Thallium	0.71		0.59	0.30	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Vanadium	29		0.30	0.070	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1
Zinc	78	B	1.2	0.52	mg/Kg	☼	07/23/19 08:31	07/24/19 11:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 08:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.50		0.50	0.50	ug/L		07/24/19 10:25	07/25/19 09:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		20	6.7	ug/Kg	☼	07/23/19 14:55	07/24/19 09:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			07/24/19 15:43	1

Client Sample ID: R3-2(3-7)-071819

Date Collected: 07/18/19 13:05
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-7

Matrix: Solid
Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.8	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Carbon disulfide	<4.5		4.5	0.93	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Chlorobenzene	<1.8		1.8	0.66	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Chloroethane	<4.5	*	4.5	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
1,3-Dichloropropene, Total	<1.8		1.8	0.63	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Ethylbenzene	<1.8		1.8	0.86	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Methyl Ethyl Ketone	<4.5		4.5	2.0	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Tetrachloroethene	<1.8		1.8	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
trans-1,2-Dichloroethene	<1.8		1.8	0.79	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
1,1,2-Trichloroethane	<1.8		1.8	0.77	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Vinyl chloride	<1.8		1.8	0.79	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1
Xylenes, Total	<3.6		3.6	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*75 - 131*	*07/19/19 17:40*	*07/22/19 21:41*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*07/19/19 17:40*	*07/22/19 21:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*07/19/19 17:40*	*07/22/19 21:41*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*	*07/19/19 17:40*	*07/22/19 21:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1

Client Sample ID: R3-2(3-7)-071819
Date Collected: 07/18/19 13:05
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-7
Matrix: Solid
Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	96	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2,4,6-Trichlorophenol	<420		420	140	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2-Methylnaphthalene	<85		85	7.7	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2-Methylphenol	<210		210	68	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
2-Nitrophenol	<420		420	99	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
4,6-Dinitro-2-methylphenol	<850		850	340	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
4-Nitrophenol	<850		850	400	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Acenaphthene	<42		42	7.6	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Acenaphthylene	<42		42	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Anthracene	<42		42	7.0	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Benzo[a]anthracene	<42		42	5.7	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Benzo[a]pyrene	<42		42	8.1	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Benzo[b]fluoranthene	<42		42	9.1	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Benzo[g,h,i]perylene	<42		42	14	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Benzo[k]fluoranthene	<42		42	12	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Carbazole	<210		210	110	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Chrysene	<42		42	11	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Dibenz(a,h)anthracene	<42		42	8.1	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Dibenzofuran	<210		210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Fluoranthene	<42		42	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Fluorene	<42		42	5.9	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Hexachlorobenzene	<85		85	9.8	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Hexachloroethane	<210		210	64	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1

Client Sample ID: R3-2(3-7)-071819

Date Collected: 07/18/19 13:05
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-7

Matrix: Solid
Percent Solids: 77.5

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	<42		42	11	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Isophorone	<210		210	47	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Naphthalene	<42		42	6.5	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Nitrobenzene	<42		42	11	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
N-Nitrosodi-n-propylamine	<85		85	51	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Pentachlorophenol	<850		850	680	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Phenanthrene	<42		42	5.9	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Phenol	<210		210	93	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1
Pyrene	<42		42	8.4	ug/Kg	☼	07/22/19 07:31	07/23/19 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*31 - 143*	*07/22/19 07:31*	*07/23/19 15:16*	*1*
2-Fluorobiphenyl	*83*		*43 - 145*	*07/22/19 07:31*	*07/23/19 15:16*	*1*
2-Fluorophenol	*75*		*31 - 166*	*07/22/19 07:31*	*07/23/19 15:16*	*1*
Nitrobenzene-d5	*75*		*37 - 147*	*07/22/19 07:31*	*07/23/19 15:16*	*1*
Phenol-d5	*72*		*30 - 153*	*07/22/19 07:31*	*07/23/19 15:16*	*1*
Terphenyl-d14	*97*		*42 - 157*	*07/22/19 07:31*	*07/23/19 15:16*	*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		07/23/19 15:13	07/24/19 11:09	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 11:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 11:09	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 11:09	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 15:11	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:09	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:09	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 11:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 11:09	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:09	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 11:09	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:09	1
Zinc	**0.070**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 11:09	1
Manganese	**3.4**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.054**		0.050	0.010	mg/L		07/23/19 15:10	07/24/19 17:23	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		07/23/19 15:10	07/24/19 17:23	1
Beryllium	**0.0051**		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 17:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 17:23	1
Chromium	**0.14**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:23	1
Cobalt	**0.067**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:23	1
Copper	**0.15**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:23	1
Iron	**140**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 17:23	1
Lead	**0.12**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 17:23	1
Nickel	**0.18**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:23	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 17:23	1
Silver	**0.011**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:23	1

Client Sample ID: R3-2(3-7)-071819

Date Collected: 07/18/19 13:05
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-7

Matrix: Solid
Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.36	J	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 17:23	1
Manganese	0.94		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.2	0.24	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Arsenic	13		0.60	0.21	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Barium	46		0.60	0.069	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Beryllium	0.66		0.24	0.056	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Cadmium	0.34	B	0.12	0.022	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Calcium	35000	B	12	2.0	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Chromium	16		0.60	0.30	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Cobalt	12		0.30	0.079	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Copper	37		0.60	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Iron	24000		12	6.3	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Lead	21		0.30	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Magnesium	25000		6.0	3.0	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Manganese	320		0.60	0.088	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Nickel	35		0.60	0.18	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Potassium	2600		30	11	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Selenium	<0.60		0.60	0.36	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Silver	3.0		0.30	0.078	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Sodium	480		60	8.9	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Thallium	0.99		0.60	0.30	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Vanadium	26		0.30	0.071	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1
Zinc	76	B	1.2	0.53	mg/Kg	☼	07/23/19 08:31	07/24/19 12:03	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 08:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.33		0.33	0.33	ug/L		07/24/19 10:25	07/25/19 09:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	20	6.8	ug/Kg	☼	07/23/19 14:55	07/24/19 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			07/24/19 15:45	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-166992-1
Project/Site: IDOT - Franklin Park - WO 067

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
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: 500-166992-1
Project/Site: IDOT - Franklin Park - WO 067

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	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 6(
Phone: 708.534.5200 Fax: 708.53

500-166992 COC

Chain of Custody Record

Lab Job #: 500-166992

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 2.1/5.2/4.0

Report To (optional)	Bill To (optional)
Contact: Andris Sleseks	Contact: SAME
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Andris.Sleseks@WestonSolutions.com	PO#/Reference#

Client: Weston | Client Project #:

Project Name: IDOT FAU 1381

Project Location/State: Franklin Park, IL | Lab Project #:

Sampler: C. Pence | Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		R1-1 (0-1.5)-071819	7/18/19	1135	6	S		X	X	X	X	X					
2		R1-2 (0-3)-071819		1025													
3		R1-2 (3-7)-071819		1030													
4		R3-1 (0-5.5)-071819		1045													
5		R3-1 (0-5.5)-071819D		1045													
6		R3-2 (0-3)-071819		1300													
7		R3-2 (3-7)-071819		1305													
8		GP-1 (0-4)-071819		1310													
9		GP-2 (0-4)-071819		1315													
10		GP-3 (0-4)-071819		1325													

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

Elmhurst

503325

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 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)

	Company	Date	Time		Company	Date	Time
Relinquished By	Weston	7/18/19	1715	Received By	TA	7/18/19	1715
Relinquished By	TA	7/19/19	0910	Received By	TA	7/19/19	0910
Relinquished By	TA	7/19/19	0953	Received By	TA-CHI	7/19/19	0953

Lab Courier: DA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-106992

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: Andrs Slesers	Contact:
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Andrs.Slesers@westonsolutions.com	PO#/Reference#

Client: Weston | Client Project #:

Project Name: IDOT FAU 1391

Project Location/State: Franklin Park IL | Lab Project #:

Sampler: C. Peron | 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	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP Metals	PAH	Comments
11		GP-4 (0-4)-071819	7/18/19	1330	6	S	X	X	X	X	X	
12		GP-5 (0-6.5)-071819		1335								
13		GP-6 (0-6.5)-071819		1345								
14		GP-7 (0-5)-071819		1400								
15		GP-7 (0-5)-071819 D		1400								
16		GP-7 (5-11)-071819		1410								
17		GP-8 (0-5)-071819		1420								
18		GP-8 (5-11)-071819		1425								
19		RS-1 (0-6.5)-071819		1440								
20		RS-2 (0-6.5)-071819		1445								

Elmhurst
503325

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 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	7/18/19	1715		TA	7/18/19	1915
	TA	7/19/19	0910		TA	7/19/19	0910
	TA	7/19/19	0953		TA-CHL	7/19/19	0953

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-166992-1

Login Number: 166992
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1,5.2,4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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 1381: Fullerton Ave-Sarah St to Silver Creek Dr Office Phone Number, if available: _____

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

2400 Scott St. (ISGS Site No. 2791V-4)

City: Franklin Park State: IL Zip Code: 60131

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: 41.9222 Longitude: - 87.87629

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

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

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

Estimated Volume of debris (cu. Yd.): 738

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 1381: Fullerton Ave-Sarah St to Silver Creek Dr Latitude: 41.92220 Longitude: - 87.87629

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 GP-1 THROUGH GP-6, AND GP-8 WERE SAMPLED ADJACENT TO ISGS SITE No. 2791V-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: 500-166992-1.
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, Margaret Doheny-Skubic, 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

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

8/14/2019
Date:

LICENSED PROFESSIONAL GEOLOGIST
MARGARET
DOHENY-SKUBIC
196.001449
ILLINOIS

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

Summary Table of ISGS Site No. 2791V-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1381: Fullerton Avenue from Sarah Street to Silver Creek Drive
Franklin Park, Cook County, Illinois

Field Sample ID	GP-1(0-4)-071819	GP-2(0-4)-071819	GP-3(0-4)-071819	GP-4(0-4)-071819	GP-5(0-6.5)-071819	GP-6(0-6.5)-071819	GP-8(0-5)-071819	GP-8(5-11)-071819	Soil Reference Concentrations[A]
Sample Date	7/18/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019	
Location ID	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-8	GP-8	
Depth	0 - 4	0 - 4	0 - 4	0 - 4	0 - 6.5	0 - 6.5	0 - 5	5 - 11	
Parameter									
Laboratory pH (s.u.)	8.7 J	8.0 J	8.4 J	8.2 J	8.3 J	8.7 J	8.3 J	8.2 J	<6.25; >9.0
VOCs	**No Detections**								
SVOCs (ug/kg)									
Benzo(a)anthracene	ND	ND	6.4 J	ND	6 J	7.5 J	13 J	ND	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	14 J	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	ND	ND	ND	13 J	ND	26 J	9.4 J	900 / 1500 / 2100
Chrysene	ND	ND	ND	ND	ND	11 J	19 J	18 J	88000
Fluoranthene	ND	ND	ND	ND	10 J	8.3 J	22 J	ND	3100000
Phenanthrene	ND	ND	ND	ND	ND	ND	9.3 J	5.7 J	---
Pyrene	ND	ND	ND	ND	10 J	10 J	22 J	ND	2300000
Total Metals (mg/kg)									
Antimony, Total	0.37 J	0.36 J	0.26 J	0.24 J	0.29 J	ND	ND	ND	5
Arsenic, Total	10	9.4	6.1	7.8	7.4	9.3	8.8	8.3	11.3 / 13.0
Barium, Total	62	25	74	46	58	61	94	51	1500
Beryllium, Total	0.72	0.48	0.84	0.43	0.7	0.64	0.7	0.71	22
Calcium, Total	14000 B	100000 B	48000 B	75000 B	60000 B	33000 B	31000 B	55000 B	---
Chromium, Total	18	9.8	22	11	18	17	17	18	21
Cobalt, Total	13	11	10	7.1	11	12	13	15	20
Copper, Total	30	30	28	26	28	25	22	29	2900
Iron, Total	24000	15000	20000	16000	19000	20000	19000	20000	15000 / 15900
Lead, Total	17	16	12	14	15	19	24	15	107
Magnesium, Total	12000	60000	22000	35000	23000	21000	20000	22000	325000
Manganese, Total	420	390	250	410	380	340	430	340	630 / 636
Mercury, Total	0.028 J	0.023 J	0.027 J	0.022 J	0.022 J	0.018 J	0.025 J	0.013 J	0.89
Nickel, Total	35	26	30	20	31	28	26	35	100
Potassium, Total	2300	2000	3600	1700	3200	2500	2200	3800	---
Silver, Total	3.5	1.6	3.3	2.1	2.7	3	3	2.9	4.4
Sodium, Total	510	160	370	140	200	650	290	610	---
Thallium, Total	1.3	0.54 J	1.1	0.58 J	0.94	0.86	0.82	0.89	2.6
Vanadium, Total	25	14	28	17	24	27	29	24	550
Zinc, Total	72 B	54 B	61 B	51 B	56 B	64 B	72 B	59 B	5100
TCLP Metals (mg/l)									
Barium, TCLP	0.4 J	0.43 J	0.6	0.75	0.47 J	0.36 J	0.73	0.43 J	2
Copper, TCLP	ND	0.026 J	ND	ND	ND	ND	ND	ND	0.65
Lead, TCLP	ND	ND	ND	ND	ND	ND	0.053	ND	0.0075
Manganese, TCLP	1.3	2.2	0.16	0.077	0.13	1.4	0.54	1.0	0.15
Nickel, TCLP	0.012 J	0.024 J	ND	ND	ND	0.012 J	ND	ND	0.1
Zinc, TCLP	0.15 J	0.035 J	0.28 J	0.052 J	0.21 J	0.085 J	ND	0.65	5

Summary Table of ISGS Site No. 2791V-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1381: Fullerton Avenue from Sarah Street to Silver Creek Drive
Franklin Park, Cook County, Illinois

Field Sample ID	GP-1(0-4)-071819	GP-2(0-4)-071819	GP-3(0-4)-071819	GP-4(0-4)-071819	GP-5(0-6.5)-071819	GP-6(0-6.5)-071819	GP-8(0-5)-071819	GP-8(5-11)-071819	**Soil Reference Concentrations[A]**
Sample Date	7/18/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019	
Location ID	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-8	GP-8	
Depth	0 - 4	0 - 4	0 - 4	0 - 4	0 - 6.5	0 - 6.5	0 - 5	5 - 11	
Parameter									
SPLP Metals (mg/l)									
Arsenic, SPLP	0.061	0.017 J	0.022 J	0.028 J	ND	0.067	0.035 J	0.083	0.05
Barium, SPLP	0.52	0.089 J	0.38 J	0.26 J	0.1 J	0.51	0.48 J	0.61	2
Beryllium, SPLP	0.0073	ND	ND	ND	ND	0.0058	0.0043	0.0074	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.0021 J	0.005
Chromium, SPLP	0.17	0.035	0.089	0.058	0.026	0.14	0.1	0.18	0.1
Cobalt, SPLP	0.041	0.013 J	0.018 J	0.014 J	ND	0.041	0.026	0.052	1
Copper, SPLP	0.22	0.062	0.068	0.073	0.026	0.19	0.1	0.25	0.65
Iron, SPLP	190	36	70	56	21	160	95	190	5
Lead, SPLP	0.099	0.035	0.064	0.054	0.023	0.089	0.1	0.11	0.0075
Manganese, SPLP	0.54	0.13	0.25	0.17	0.071	0.56	0.43	0.75	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	0.00027	ND	0.002
Nickel, SPLP	0.17	0.039	0.062	0.053	0.019 J	0.16	0.09	0.23	0.1
Silver, SPLP	0.012 J	ND	ND	ND	ND	0.012 J	ND	0.016 J	0.05
Zinc, SPLP	1	0.12 J	0.48 J	0.15 J	0.29 J	0.39 J	0.32 J	0.87	5

Notes:

--- - not applicable or value not available.

Only detected constituents are presented.

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

ND - Constituent not detected above the reporting limit.

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

J - Estimated concentration.

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: 500-166992-1
Client Project/Site: IDOT - Franklin Park - WO 067
Revision: 1

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

Attn: Mr. Andris Slesers

Authorized for release by:
7/30/2019 8:02:05 AM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: GP-1(0-4)-071819
Date Collected: 07/18/19 13:10
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-8
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.6	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Benzene	<1.7		1.7	0.45	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Bromodichloromethane	<1.7		1.7	0.36	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Carbon tetrachloride	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Chlorobenzene	<1.7		1.7	0.65	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Chloroethane	<4.4	*	4.4	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Chloroform	<1.7		1.7	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
cis-1,2-Dichloroethene	<1.7		1.7	0.49	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
cis-1,3-Dichloropropene	<1.7		1.7	0.53	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
1,1-Dichloroethane	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Ethylbenzene	<1.7		1.7	0.84	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Methyl Ethyl Ketone	<4.4		4.4	1.9	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Styrene	<1.7		1.7	0.53	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Tetrachloroethene	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
1,1,1-Trichloroethane	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
1,1,2-Trichloroethane	<1.7		1.7	0.75	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*75 - 131*	*07/19/19 17:40*	*07/22/19 22:07*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*07/19/19 17:40*	*07/22/19 22:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*07/19/19 17:40*	*07/22/19 22:07*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*07/19/19 17:40*	*07/22/19 22:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1

Client Sample ID: GP-1(0-4)-071819
Date Collected: 07/18/19 13:10
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-8
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2-Methylphenol	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Anthracene	<40		40	6.7	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Carbazole	<200		200	100	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Chrysene	<40		40	11	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Dibenzofuran	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Fluorene	<40		40	5.7	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Hexachloroethane	<200		200	61	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1

Client Sample ID: GP-1(0-4)-071819

Date Collected: 07/18/19 13:10
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-8

Matrix: Solid
Percent Solids: 81.0

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	<40		40	10	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Isophorone	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Naphthalene	<40		40	6.2	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Nitrobenzene	<40		40	10	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Phenol	<200		200	89	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1
Pyrene	<40		40	8.0	ug/Kg	☼	07/22/19 07:31	07/23/19 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*31 - 143*	*07/22/19 07:31*	*07/23/19 15:40*	*1*
2-Fluorobiphenyl	*81*		*43 - 145*	*07/22/19 07:31*	*07/23/19 15:40*	*1*
2-Fluorophenol	*72*		*31 - 166*	*07/22/19 07:31*	*07/23/19 15:40*	*1*
Nitrobenzene-d5	*75*		*37 - 147*	*07/22/19 07:31*	*07/23/19 15:40*	*1*
Phenol-d5	*72*		*30 - 153*	*07/22/19 07:31*	*07/23/19 15:40*	*1*
Terphenyl-d14	*100*		*42 - 157*	*07/22/19 07:31*	*07/23/19 15:40*	*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		07/23/19 15:13	07/24/19 11:14	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 11:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 11:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 11:14	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 15:15	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:14	1
Copper	**0.014**	**J B**	0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:14	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 11:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 11:14	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:14	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 11:14	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:14	1
Zinc	**0.15**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 11:14	1
Manganese	**1.3**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.061**		0.050	0.010	mg/L		07/23/19 15:10	07/24/19 17:26	1
Barium	**0.52**		0.50	0.050	mg/L		07/23/19 15:10	07/24/19 17:26	1
Beryllium	**0.0073**		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 17:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 17:26	1
Chromium	**0.17**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:26	1
Cobalt	**0.041**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:26	1
Copper	**0.22**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:26	1
Iron	**190**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 17:26	1
Lead	**0.099**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 17:26	1
Nickel	**0.17**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:26	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 17:26	1
Silver	**0.012**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:26	1

Client Sample ID: GP-1(0-4)-071819

Date Collected: 07/18/19 13:10
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-8

Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	1.0		0.50	0.020	mg/L		07/23/19 15:10	07/24/19 17:26	1
Manganese	0.53		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37	J	1.2	0.23	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Arsenic	10		0.58	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Barium	62		0.58	0.067	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Beryllium	0.72		0.23	0.055	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Cadmium	0.15	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Calcium	14000	B	12	2.0	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Chromium	18		0.58	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Cobalt	13		0.29	0.077	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Copper	30		0.58	0.16	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Iron	24000		12	6.1	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Lead	17		0.29	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Magnesium	12000		5.8	2.9	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Manganese	420		0.58	0.085	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Nickel	35		0.58	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Potassium	2300		29	10	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Silver	3.5		0.29	0.075	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Sodium	510		58	8.7	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Thallium	1.3		0.58	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Vanadium	25		0.29	0.069	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1
Zinc	72	B	1.2	0.51	mg/Kg	☼	07/23/19 08:31	07/24/19 12:07	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.50		0.50	0.50	ug/L		07/24/19 10:25	07/25/19 09:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		20	6.8	ug/Kg	☼	07/23/19 14:55	07/24/19 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			07/24/19 15:47	1

Client Sample ID: GP-2(0-4)-071819

Date Collected: 07/18/19 13:15
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-9

Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.1	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Benzene	<1.6		1.6	0.42	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Bromoform	<1.6		1.6	0.48	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Carbon disulfide	<4.1		4.1	0.85	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Chloroethane	<4.1	*	4.1	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Chloroform	<1.6		1.6	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
cis-1,2-Dichloroethene	<1.6		1.6	0.46	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1
Xylenes, Total	<3.3		3.3	0.52	ug/Kg	☼	07/19/19 17:40	07/23/19 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*	*07/19/19 17:40*	*07/23/19 13:08*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*07/19/19 17:40*	*07/23/19 13:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*	*07/19/19 17:40*	*07/23/19 13:08*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*07/19/19 17:40*	*07/23/19 13:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1

Client Sample ID: GP-2(0-4)-071819
Date Collected: 07/18/19 13:15
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-9
Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2-Methylphenol	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Anthracene	<39		39	6.5	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Carbazole	<200		200	97	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Chrysene	<39		39	11	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Dibenzofuran	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Fluorene	<39		39	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Hexachloroethane	<200		200	59	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1

Client Sample ID: GP-2(0-4)-071819

Date Collected: 07/18/19 13:15
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-9

Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Isophorone	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Naphthalene	<39		39	6.0	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Phenol	<200		200	86	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1
Pyrene	<39		39	7.7	ug/Kg	☼	07/22/19 07:31	07/23/19 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*109*		*31 - 143*	*07/22/19 07:31*	*07/23/19 16:05*	*1*
2-Fluorobiphenyl	*85*		*43 - 145*	*07/22/19 07:31*	*07/23/19 16:05*	*1*
2-Fluorophenol	*75*		*31 - 166*	*07/22/19 07:31*	*07/23/19 16:05*	*1*
Nitrobenzene-d5	*75*		*37 - 147*	*07/22/19 07:31*	*07/23/19 16:05*	*1*
Phenol-d5	*72*		*30 - 153*	*07/22/19 07:31*	*07/23/19 16:05*	*1*
Terphenyl-d14	*98*		*42 - 157*	*07/22/19 07:31*	*07/23/19 16:05*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 15:13	07/24/19 11:18	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 11:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 11:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 11:18	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 15:19	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:18	1
Copper	**0.026**	**B**	0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:18	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 11:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 11:18	1
Nickel	**0.024**	**J**	0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:18	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 11:18	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:18	1
Zinc	**0.035**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 11:18	1
Manganese	**2.2**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.017**	**J**	0.050	0.010	mg/L		07/23/19 15:10	07/24/19 17:30	1
Barium	**0.089**	**J**	0.50	0.050	mg/L		07/23/19 15:10	07/24/19 17:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 17:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 17:30	1
Chromium	**0.035**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:30	1
Cobalt	**0.013**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:30	1
Copper	**0.062**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:30	1
Iron	**36**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 17:30	1
Lead	**0.035**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 17:30	1
Nickel	**0.039**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:30	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 17:30	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:30	1

Client Sample ID: GP-2(0-4)-071819

Date Collected: 07/18/19 13:15
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-9

Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.12	J	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 17:30	1
Manganese	0.13		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.2	0.23	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Arsenic	9.4		0.59	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Barium	25		0.59	0.067	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Beryllium	0.48		0.23	0.055	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Cadmium	0.26	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Calcium	100000	B	59	9.9	mg/Kg	☼	07/23/19 08:31	07/24/19 19:20	5
Chromium	9.8		0.59	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Cobalt	11		0.29	0.077	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Copper	30		0.59	0.16	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Iron	15000		12	6.1	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Lead	16		0.29	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Magnesium	60000		29	15	mg/Kg	☼	07/23/19 08:31	07/24/19 19:20	5
Manganese	390		0.59	0.085	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Nickel	26		0.59	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Potassium	2000		29	10	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Silver	1.6		0.29	0.076	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Sodium	160		59	8.7	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Thallium	0.54	J	0.59	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Vanadium	14		0.29	0.069	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1
Zinc	54	B	1.2	0.51	mg/Kg	☼	07/23/19 08:31	07/24/19 12:19	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 09:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		19	6.4	ug/Kg	☼	07/23/19 14:55	07/24/19 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			07/24/19 15:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: GP-3(0-4)-071819
Date Collected: 07/18/19 13:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-10
Matrix: Solid
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.5	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Carbon disulfide	<4.3		4.3	0.89	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Chloroethane	<4.3	*	4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*75 - 131*	*07/19/19 17:40*	*07/23/19 13:34*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*07/19/19 17:40*	*07/23/19 13:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*	*07/19/19 17:40*	*07/23/19 13:34*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*07/19/19 17:40*	*07/23/19 13:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1

Client Sample ID: GP-3(0-4)-071819
Date Collected: 07/18/19 13:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-10
Matrix: Solid
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	93	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2-Methylnaphthalene	<82		82	7.5	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2-Methylphenol	<200		200	65	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Anthracene	<40		40	6.8	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Benzo[a]anthracene	**6.4**	**J**	40	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Benzo[a]pyrene	<40		40	7.9	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Benzo[b]fluoranthene	<40		40	8.8	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Carbazole	<200		200	100	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Chrysene	<40		40	11	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Dibenzofuran	<200		200	48	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Fluorene	<40		40	5.7	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Hexachloroethane	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1

Client Sample ID: GP-3(0-4)-071819

Date Collected: 07/18/19 13:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-10

Matrix: Solid
Percent Solids: 80.7

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	<40		40	11	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Isophorone	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Naphthalene	<40		40	6.2	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Nitrobenzene	<40		40	10	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
N-Nitrosodi-n-propylamine	<82		82	50	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Phenanthrene	<40		40	5.7	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Phenol	<200		200	90	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1
Pyrene	<40		40	8.1	ug/Kg	☼	07/22/19 07:31	07/23/19 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*117*		*31 - 143*	*07/22/19 07:31*	*07/23/19 16:30*	*1*
2-Fluorobiphenyl	*89*		*43 - 145*	*07/22/19 07:31*	*07/23/19 16:30*	*1*
2-Fluorophenol	*79*		*31 - 166*	*07/22/19 07:31*	*07/23/19 16:30*	*1*
Nitrobenzene-d5	*78*		*37 - 147*	*07/22/19 07:31*	*07/23/19 16:30*	*1*
Phenol-d5	*77*		*30 - 153*	*07/22/19 07:31*	*07/23/19 16:30*	*1*
Terphenyl-d14	*103*		*42 - 157*	*07/22/19 07:31*	*07/23/19 16:30*	*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		07/23/19 15:13	07/24/19 11:22	1
Barium	**0.60**		0.50	0.050	mg/L		07/23/19 15:13	07/24/19 11:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 11:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 11:22	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 15:23	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:22	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:22	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 11:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 11:22	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:22	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 11:22	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:22	1
Zinc	**0.28**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 11:22	1
Manganese	**0.16**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.022**	**J**	0.050	0.010	mg/L		07/23/19 15:10	07/24/19 17:34	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		07/23/19 15:10	07/24/19 17:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 17:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 17:34	1
Chromium	**0.089**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:34	1
Cobalt	**0.018**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:34	1
Copper	**0.068**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:34	1
Iron	**70**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 17:34	1
Lead	**0.064**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 17:34	1
Nickel	**0.062**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:34	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 17:34	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:34	1

Client Sample ID: GP-3(0-4)-071819
Date Collected: 07/18/19 13:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-10
Matrix: Solid
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.48	J	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 17:34	1
Manganese	0.25		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	1.2	0.23	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Arsenic	6.1		0.59	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Barium	74		0.59	0.067	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Beryllium	0.84		0.24	0.055	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Cadmium	0.15	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Calcium	48000	B	59	10	mg/Kg	☼	07/23/19 08:31	07/24/19 19:24	5
Chromium	22		0.59	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Cobalt	10		0.30	0.077	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Copper	28		0.59	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Iron	20000		12	6.1	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Lead	12		0.30	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Magnesium	22000		5.9	2.9	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Manganese	250		0.59	0.086	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Nickel	30		0.59	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Potassium	3600		30	10	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Silver	3.3		0.30	0.076	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Sodium	370		59	8.7	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Thallium	1.1		0.59	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Vanadium	28		0.30	0.070	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1
Zinc	61	B	1.2	0.52	mg/Kg	☼	07/23/19 08:31	07/24/19 12:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 09:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27		18	6.0	ug/Kg	☼	07/23/19 14:55	07/24/19 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			07/24/19 15:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: GP-4(0-4)-071819
Date Collected: 07/18/19 13:30
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-11
Matrix: Solid
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.5	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Carbon disulfide	<4.3		4.3	0.89	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Chloroethane	<4.3	*	4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*	*07/19/19 17:40*	*07/23/19 14:00*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*07/19/19 17:40*	*07/23/19 14:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*07/19/19 17:40*	*07/23/19 14:00*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*07/19/19 17:40*	*07/23/19 14:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1

Client Sample ID: GP-4(0-4)-071819
Date Collected: 07/18/19 13:30
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-11
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	<390		390	91	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2-Methylphenol	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Anthracene	<39		39	6.6	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Benzo[b]fluoranthene	<39		39	8.6	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Carbazole	<200		200	99	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Chrysene	<39		39	11	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Dibenzofuran	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Fluoranthene	<39		39	7.4	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Fluorene	<39		39	5.6	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Hexachloroethane	<200		200	60	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1

Client Sample ID: GP-4(0-4)-071819
Date Collected: 07/18/19 13:30
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-11
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	<39		39	10	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Isophorone	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Naphthalene	<39		39	6.1	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
N-Nitrosodi-n-propylamine	<80		80	49	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Phenol	<200		200	88	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1
Pyrene	<39		39	7.9	ug/Kg	☼	07/22/19 07:31	07/23/19 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*108*		*31 - 143*	*07/22/19 07:31*	*07/23/19 16:55*	*1*
2-Fluorobiphenyl	*82*		*43 - 145*	*07/22/19 07:31*	*07/23/19 16:55*	*1*
2-Fluorophenol	*71*		*31 - 166*	*07/22/19 07:31*	*07/23/19 16:55*	*1*
Nitrobenzene-d5	*72*		*37 - 147*	*07/22/19 07:31*	*07/23/19 16:55*	*1*
Phenol-d5	*65*		*30 - 153*	*07/22/19 07:31*	*07/23/19 16:55*	*1*
Terphenyl-d14	*94*		*42 - 157*	*07/22/19 07:31*	*07/23/19 16:55*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 15:13	07/24/19 11:26	1
Barium	**0.75**		0.50	0.050	mg/L		07/23/19 15:13	07/24/19 11:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 11:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 11:26	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 15:27	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:26	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:26	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 11:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 15:27	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:26	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 11:26	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:26	1
Zinc	**0.052**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 11:26	1
Manganese	**0.077**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.028**	**J**	0.050	0.010	mg/L		07/23/19 15:10	07/24/19 17:38	1
Barium	**0.26**	**J**	0.50	0.050	mg/L		07/23/19 15:10	07/24/19 17:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 17:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 17:38	1
Chromium	**0.058**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:38	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:38	1
Copper	**0.073**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:38	1
Iron	**56**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 17:38	1
Lead	**0.054**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 17:38	1
Nickel	**0.053**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:38	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 17:38	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:38	1

Client Sample ID: GP-4(0-4)-071819
Date Collected: 07/18/19 13:30
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-11
Matrix: Solid
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.15	J	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 17:38	1
Manganese	0.17		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:38	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.24	J	1.2	0.23	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Arsenic	7.8		0.60	0.21	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Barium	46		0.60	0.068	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Beryllium	0.43		0.24	0.056	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Cadmium	0.23	B	0.12	0.022	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Calcium	75000	B	60	10	mg/Kg	☼	07/23/19 08:31	07/24/19 19:36	5
Chromium	11		0.60	0.30	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Cobalt	7.1		0.30	0.079	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Copper	26		0.60	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Iron	16000		12	6.2	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Lead	14		0.30	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Magnesium	35000		6.0	3.0	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Manganese	410		0.60	0.087	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Nickel	20		0.60	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Potassium	1700		30	11	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Silver	2.1		0.30	0.077	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Sodium	140		60	8.9	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Thallium	0.58	J	0.60	0.30	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Vanadium	17		0.30	0.071	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1
Zinc	51	B	1.2	0.53	mg/Kg	☼	07/23/19 08:31	07/24/19 12:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 09:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 09:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		19	6.3	ug/Kg	☼	07/23/19 14:55	07/24/19 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			07/24/19 15:57	1

Client Sample ID: GP-5(0-6.5)-071819

Date Collected: 07/18/19 13:35
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-12

Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.4	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Carbon disulfide	<4.2		4.2	0.88	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Chloroethane	<4.2	*	4.2	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Ethylbenzene	<1.7		1.7	0.81	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
methyl isobutyl ketone	<4.2		4.2	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
trans-1,2-Dichloroethene	<1.7		1.7	0.75	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	07/19/19 17:40	07/23/19 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 131*	*07/19/19 17:40*	*07/23/19 14:25*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*07/19/19 17:40*	*07/23/19 14:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*07/19/19 17:40*	*07/23/19 14:25*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*07/19/19 17:40*	*07/23/19 14:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1

Client Sample ID: GP-5(0-6.5)-071819
Date Collected: 07/18/19 13:35
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-12
Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2-Methylnaphthalene	<82		82	7.4	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2-Methylphenol	<200		200	65	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Anthracene	<40		40	6.8	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Benzo[a]anthracene	**6.0**	**J**	40	5.4	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Benzo[b]fluoranthene	**13**	**J**	40	8.7	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Carbazole	<200		200	100	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Chrysene	<40		40	11	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Dibenzofuran	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Fluoranthene	**10**	**J**	40	7.5	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Fluorene	<40		40	5.7	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Hexachloroethane	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1

Client Sample ID: GP-5(0-6.5)-071819

Date Collected: 07/18/19 13:35
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-12

Matrix: Solid
Percent Solids: 81.3

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	<40		40	10	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Isophorone	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Naphthalene	<40		40	6.2	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Nitrobenzene	<40		40	10	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
N-Nitrosodi-n-propylamine	<82		82	49	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Phenol	<200		200	90	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1
Pyrene	**10**	**J**	40	8.0	ug/Kg	☼	07/22/19 07:31	07/23/19 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*31 - 143*	*07/22/19 07:31*	*07/23/19 17:19*	*1*
2-Fluorobiphenyl	*84*		*43 - 145*	*07/22/19 07:31*	*07/23/19 17:19*	*1*
2-Fluorophenol	*72*		*31 - 166*	*07/22/19 07:31*	*07/23/19 17:19*	*1*
Nitrobenzene-d5	*75*		*37 - 147*	*07/22/19 07:31*	*07/23/19 17:19*	*1*
Phenol-d5	*71*		*30 - 153*	*07/22/19 07:31*	*07/23/19 17:19*	*1*
Terphenyl-d14	*100*		*42 - 157*	*07/22/19 07:31*	*07/23/19 17:19*	*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		07/23/19 15:13	07/24/19 11:30	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 11:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 11:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 11:30	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 15:31	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:30	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:30	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 11:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 15:31	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:30	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 11:30	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:30	1
Zinc	**0.21**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 11:30	1
Manganese	**0.13**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 15:10	07/24/19 17:42	1
Barium	**0.10**	**J**	0.50	0.050	mg/L		07/23/19 15:10	07/24/19 17:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 17:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 17:42	1
Chromium	**0.026**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:42	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:42	1
Copper	**0.026**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:42	1
Iron	**21**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 17:42	1
Lead	**0.023**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 17:42	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:42	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 17:42	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:42	1

Client Sample ID: GP-5(0-6.5)-071819

Date Collected: 07/18/19 13:35
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-12

Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.29	J	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 17:42	1
Manganese	0.071		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J	1.2	0.23	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Arsenic	7.4		0.60	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Barium	58		0.60	0.068	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Beryllium	0.70		0.24	0.056	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Cadmium	0.24	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Calcium	60000	B	60	10	mg/Kg	☼	07/23/19 08:31	07/24/19 19:40	5
Chromium	18		0.60	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Cobalt	11		0.30	0.078	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Copper	28		0.60	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Iron	19000		12	6.2	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Lead	15		0.30	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Magnesium	23000		6.0	3.0	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Manganese	380		0.60	0.086	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Nickel	31		0.60	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Potassium	3200		30	11	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Selenium	0.37	J B	0.60	0.35	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Silver	2.7		0.30	0.077	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Sodium	200		60	8.8	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Thallium	0.94		0.60	0.30	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Vanadium	24		0.30	0.070	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1
Zinc	56	B	1.2	0.52	mg/Kg	☼	07/23/19 08:31	07/24/19 12:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 09:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		20	6.7	ug/Kg	☼	07/23/19 14:55	07/24/19 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			07/24/19 15:59	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: GP-6(0-6.5)-071819
Date Collected: 07/18/19 13:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-13
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.6	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Benzene	<1.7		1.7	0.45	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Bromodichloromethane	<1.7		1.7	0.36	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Carbon tetrachloride	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Chlorobenzene	<1.7		1.7	0.65	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Chloroethane	<4.4	*	4.4	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Chloroform	<1.7		1.7	0.61	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
cis-1,2-Dichloroethene	<1.7		1.7	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
cis-1,3-Dichloropropene	<1.7		1.7	0.53	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
1,1-Dichloroethane	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Ethylbenzene	<1.7		1.7	0.84	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Methyl Ethyl Ketone	<4.4		4.4	1.9	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Styrene	<1.7		1.7	0.53	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.56	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Tetrachloroethene	<1.7		1.7	0.60	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
1,1,1-Trichloroethane	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
1,1,2-Trichloroethane	<1.7		1.7	0.75	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	07/19/19 17:40	07/23/19 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*75 - 131*	*07/19/19 17:40*	*07/23/19 14:51*	*1*
Dibromofluoromethane	*96*		*75 - 126*	*07/19/19 17:40*	*07/23/19 14:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*	*07/19/19 17:40*	*07/23/19 14:51*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*07/19/19 17:40*	*07/23/19 14:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1

Client Sample ID: GP-6(0-6.5)-071819
Date Collected: 07/18/19 13:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-13
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	94	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2-Methylphenol	<210		210	66	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Anthracene	<41		41	6.9	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Benzo[a]anthracene	**7.5**	**J**	41	5.6	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Benzo[a]pyrene	<41		41	8.0	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Benzo[b]fluoranthene	<41		41	8.9	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Carbazole	<210		210	100	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Chrysene	**11**	**J**	41	11	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Dibenzofuran	<210		210	48	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Fluoranthene	**8.3**	**J**	41	7.7	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Fluorene	<41		41	5.8	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Hexachloroethane	<210		210	63	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1

Client Sample ID: GP-6(0-6.5)-071819

Date Collected: 07/18/19 13:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-13

Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Isophorone	<210		210	46	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Naphthalene	<41		41	6.4	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Nitrobenzene	<41		41	10	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
N-Nitrosodi-n-propylamine	<83		83	50	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Phenanthrene	<41		41	5.8	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Phenol	<210		210	92	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1
Pyrene	**10**	**J**	41	8.2	ug/Kg	☼	07/22/19 07:31	07/23/19 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*31 - 143*	*07/22/19 07:31*	*07/23/19 17:44*	*1*
2-Fluorobiphenyl	*69*		*43 - 145*	*07/22/19 07:31*	*07/23/19 17:44*	*1*
2-Fluorophenol	*61*		*31 - 166*	*07/22/19 07:31*	*07/23/19 17:44*	*1*
Nitrobenzene-d5	*60*		*37 - 147*	*07/22/19 07:31*	*07/23/19 17:44*	*1*
Phenol-d5	*58*		*30 - 153*	*07/22/19 07:31*	*07/23/19 17:44*	*1*
Terphenyl-d14	*84*		*42 - 157*	*07/22/19 07:31*	*07/23/19 17:44*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 15:13	07/24/19 11:35	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 11:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 11:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 11:35	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 15:44	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:35	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:35	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 11:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 11:35	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:35	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 11:35	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:35	1
Zinc	**0.085**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 11:35	1
Manganese	**1.4**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 11:35	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		07/23/19 15:10	07/24/19 17:46	1
Barium	**0.51**		0.50	0.050	mg/L		07/23/19 15:10	07/24/19 17:46	1
Beryllium	**0.0058**		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 17:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 17:46	1
Chromium	**0.14**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:46	1
Cobalt	**0.041**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:46	1
Copper	**0.19**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:46	1
Iron	**160**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 17:46	1
Lead	**0.089**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 17:46	1
Nickel	**0.16**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:46	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 17:46	1
Silver	**0.012**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:46	1

Client Sample ID: GP-6(0-6.5)-071819

Date Collected: 07/18/19 13:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-13

Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.39	J	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 17:46	1
Manganese	0.56		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 17:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.22	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Arsenic	9.3		0.58	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Barium	61		0.58	0.066	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Beryllium	0.64		0.23	0.054	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Cadmium	0.21	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Calcium	33000	B	12	2.0	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Chromium	17		0.58	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Cobalt	12		0.29	0.075	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Copper	25		0.58	0.16	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Iron	20000		12	6.0	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Lead	19		0.29	0.13	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Magnesium	21000		5.8	2.9	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Manganese	340		0.58	0.084	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Nickel	28		0.58	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Potassium	2500		29	10	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Silver	3.0		0.29	0.074	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Sodium	650		58	8.5	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Thallium	0.86		0.58	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Vanadium	27		0.29	0.068	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1
Zinc	64	B	1.2	0.51	mg/Kg	☼	07/23/19 08:31	07/24/19 12:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.33		0.33	0.33	ug/L		07/24/19 10:25	07/25/19 09:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18	J	19	6.2	ug/Kg	☼	07/23/19 14:55	07/24/19 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			07/24/19 16:01	1

Client Sample ID: GP-8(0-5)-071819

Date Collected: 07/18/19 14:20
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-17

Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.3	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Chloroethane	<4.2	*	4.2	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	07/19/19 17:40	07/23/19 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 131*	*07/19/19 17:40*	*07/23/19 16:34*	*1*
Dibromofluoromethane	*105*		*75 - 126*	*07/19/19 17:40*	*07/23/19 16:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*07/19/19 17:40*	*07/23/19 16:34*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*07/19/19 17:40*	*07/23/19 16:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1

Client Sample ID: GP-8(0-5)-071819
Date Collected: 07/18/19 14:20
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-17
Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2-Methylphenol	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Anthracene	<40		40	6.7	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Benzo[a]anthracene	**13**	**J**	40	5.4	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Benzo[a]pyrene	**14**	**J**	40	7.7	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Benzo[b]fluoranthene	**26**	**J**	40	8.6	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Carbazole	<200		200	100	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Chrysene	**19**	**J**	40	11	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Dibenzofuran	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Fluoranthene	**22**	**J**	40	7.4	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Fluorene	<40		40	5.6	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Hexachloroethane	<200		200	61	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1

Client Sample ID: GP-8(0-5)-071819
Date Collected: 07/18/19 14:20
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-17
Matrix: Solid
Percent Solids: 81.9

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	<40		40	10	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Isophorone	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Naphthalene	<40		40	6.1	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Nitrobenzene	<40		40	10	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
N-Nitrosodi-n-propylamine	<80		80	49	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Phenanthrene	**9.3**	**J**	40	5.6	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Phenol	<200		200	89	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1
Pyrene	**22**	**J**	40	7.9	ug/Kg	☼	07/22/19 07:31	07/23/19 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*31 - 143*	*07/22/19 07:31*	*07/23/19 19:23*	*1*
2-Fluorobiphenyl	*76*		*43 - 145*	*07/22/19 07:31*	*07/23/19 19:23*	*1*
2-Fluorophenol	*70*		*31 - 166*	*07/22/19 07:31*	*07/23/19 19:23*	*1*
Nitrobenzene-d5	*63*		*37 - 147*	*07/22/19 07:31*	*07/23/19 19:23*	*1*
Phenol-d5	*67*		*30 - 153*	*07/22/19 07:31*	*07/23/19 19:23*	*1*
Terphenyl-d14	*96*		*42 - 157*	*07/22/19 07:31*	*07/23/19 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		07/23/19 15:13	07/24/19 12:00	1
Barium	**0.73**		0.50	0.050	mg/L		07/23/19 15:13	07/24/19 12:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 12:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 12:00	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 16:00	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:00	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:00	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 12:00	1
Lead	**0.053**		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 12:00	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:00	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 12:00	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:00	1
Zinc	<0.50		0.50	0.020	mg/L		07/23/19 15:13	07/24/19 12:00	1
Manganese	**0.54**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.035**	**J**	0.050	0.010	mg/L		07/23/19 15:10	07/24/19 18:10	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		07/23/19 15:10	07/24/19 18:10	1
Beryllium	**0.0043**		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 18:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 18:10	1
Chromium	**0.10**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:10	1
Cobalt	**0.026**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:10	1
Copper	**0.10**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:10	1
Iron	**95**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 18:10	1
Lead	**0.10**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 18:10	1
Nickel	**0.090**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:10	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 18:10	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:10	1

Client Sample ID: GP-8(0-5)-071819
Date Collected: 07/18/19 14:20
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-17
Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.32	J	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 18:10	1
Manganese	0.43		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:10	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	☼	07/23/19 08:31	07/24/19 12:51	1
Arsenic	8.8		0.59	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Barium	94		0.59	0.067	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Beryllium	0.70		0.24	0.055	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Cadmium	0.24	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Calcium	31000	B	12	2.0	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Chromium	17		0.59	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Cobalt	13		0.29	0.077	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Copper	22		0.59	0.16	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Iron	19000		12	6.1	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Lead	24		0.29	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Magnesium	20000		5.9	2.9	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Manganese	430		0.59	0.085	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Nickel	26		0.59	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Potassium	2200		29	10	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Silver	3.0		0.29	0.076	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Sodium	290		59	8.7	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Thallium	0.82		0.59	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Vanadium	29		0.29	0.070	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1
Zinc	72	B	1.2	0.52	mg/Kg	☼	07/23/19 08:31	07/24/19 12:51	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 09:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.27		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 10:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		19	6.4	ug/Kg	☼	07/23/19 14:55	07/24/19 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			07/24/19 16:09	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: GP-8(5-11)-071819
Date Collected: 07/18/19 14:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-18
Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.7	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Chloroethane	<3.8	*	3.8	1.1	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*75 - 131*	*07/19/19 17:40*	*07/23/19 17:00*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*07/19/19 17:40*	*07/23/19 17:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*07/19/19 17:40*	*07/23/19 17:00*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*07/19/19 17:40*	*07/23/19 17:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1

Client Sample ID: GP-8(5-11)-071819
Date Collected: 07/18/19 14:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-18
Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2-Methylphenol	<200		200	63	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Anthracene	<39		39	6.6	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Benzo[b]fluoranthene	**9.4**	**J**	39	8.5	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Carbazole	<200		200	98	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Chrysene	**18**	**J**	39	11	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Dibenzofuran	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Fluorene	<39		39	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Hexachloroethane	<200		200	60	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1

Client Sample ID: GP-8(5-11)-071819
Date Collected: 07/18/19 14:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-18
Matrix: Solid
Percent Solids: 84.5

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	<39		39	10	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Isophorone	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Naphthalene	<39		39	6.0	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Phenanthrene	**5.7**	**J**	39	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Phenol	<200		200	87	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1
Pyrene	<39		39	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*31 - 143*	*07/22/19 07:31*	*07/23/19 19:48*	*1*
2-Fluorobiphenyl	*77*		*43 - 145*	*07/22/19 07:31*	*07/23/19 19:48*	*1*
2-Fluorophenol	*70*		*31 - 166*	*07/22/19 07:31*	*07/23/19 19:48*	*1*
Nitrobenzene-d5	*67*		*37 - 147*	*07/22/19 07:31*	*07/23/19 19:48*	*1*
Phenol-d5	*68*		*30 - 153*	*07/22/19 07:31*	*07/23/19 19:48*	*1*
Terphenyl-d14	*89*		*42 - 157*	*07/22/19 07:31*	*07/23/19 19:48*	*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		07/23/19 15:13	07/24/19 12:04	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 12:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 12:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 12:04	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 16:04	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:04	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:04	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 12:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 16:04	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:04	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 12:04	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:04	1
Zinc	**0.65**		0.50	0.020	mg/L		07/23/19 15:13	07/24/19 12:04	1
Manganese	**1.0**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.083**		0.050	0.010	mg/L		07/23/19 15:10	07/24/19 18:14	1
Barium	**0.61**		0.50	0.050	mg/L		07/23/19 15:10	07/24/19 18:14	1
Beryllium	**0.0074**		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 18:14	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 18:14	1
Chromium	**0.18**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:14	1
Cobalt	**0.052**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:14	1
Copper	**0.25**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:14	1
Iron	**190**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 18:14	1
Lead	**0.11**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 18:14	1
Nickel	**0.23**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:14	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 18:14	1
Silver	**0.016**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:14	1

Client Sample ID: GP-8(5-11)-071819

Date Collected: 07/18/19 14:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-18

Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.87		0.50	0.020	mg/L		07/23/19 15:10	07/24/19 18:14	1
Manganese	0.75		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:14	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.22	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Arsenic	8.3		0.58	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Barium	51		0.58	0.066	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Beryllium	0.71		0.23	0.054	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Cadmium	0.20	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Calcium	55000	B	58	9.7	mg/Kg	☼	07/23/19 08:31	07/24/19 19:52	5
Chromium	18		0.58	0.28	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Cobalt	15		0.29	0.075	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Copper	29		0.58	0.16	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Iron	20000		12	6.0	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Lead	15		0.29	0.13	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Magnesium	22000		5.8	2.9	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Manganese	340		0.58	0.083	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Nickel	35		0.58	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Potassium	3800		29	10	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Silver	2.9		0.29	0.074	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Sodium	610		58	8.5	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Thallium	0.89		0.58	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Vanadium	24		0.29	0.068	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1
Zinc	59	B	1.2	0.50	mg/Kg	☼	07/23/19 08:31	07/24/19 12:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.33		0.33	0.33	ug/L		07/24/19 10:25	07/25/19 10:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	19	6.3	ug/Kg	☼	07/23/19 14:55	07/24/19 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			07/24/19 16:13	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-166992-1
Project/Site: IDOT - Franklin Park - WO 067

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
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: 500-166992-1
Project/Site: IDOT - Franklin Park - WO 067

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	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 6(
Phone: 708.534.5200 Fax: 708.53

500-166992 COC

Chain of Custody Record

Lab Job #: 500-166992

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 2.1/5.2/4.0

Report To (optional)	Bill To (optional)
Contact: Andris Sleseks	Contact: SAME
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Andris.Sleseks@WestonSolutions.com	PO#/Reference#

Client: Weston | Client Project #:

Project Name: IDOT FAU 1381

Project Location/State: Franklin Park, IL | Lab Project #:

Sampler: C. Pence | Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		R1-1 (0-1.5)-071819	7/18/19	1135	6	S		X	X	X	X	X					
2		R1-2 (0-3)-071819		1025													
3		R1-2 (3-7)-071819		1030													
4		R3-1 (0-5.5)-071819		1045													
5		R3-1 (0-5.5)-071819D		1045													
6		R3-2 (0-3)-071819		1300													
7		R3-2 (3-7)-071819		1305													
8		GP-1 (0-4)-071819		1310													
9		GP-2 (0-4)-071819		1315													
10		GP-3 (0-4)-071819		1325													

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

Elmhurst

503325

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 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)

	Company	Date	Time		Company	Date	Time
Relinquished By	Weston	7/18/19	1715	Received By	TA	7/18/19	1715
Relinquished By	TA	7/19/19	0910	Received By	TA	7/19/19	0910
Relinquished By	TA	7/19/19	0953	Received By	TA-CHI	7/19/19	0953

Lab Courier: DA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-106992

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: Andrs Slesers	Contact:
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Andrs.Slesers@westonsolutions.com	PO#/Reference#

Client: Weston | Client Project #:

Project Name: IDOT FAU 1391

Project Location/State: Franklin Park IL | Lab Project #:

Sampler: C. Peron | 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	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP Metals	PAH	Comments
11		GP-4 (0-4)-071819	7/18/19	1330	6	S	X	X	X	X	X	
12		GP-5 (0-6.5)-071819		1335								
13		GP-6 (0-6.5)-071819		1345								
14		GP-7 (0-5)-071819		1400								
15		GP-7 (0-5)-071819 D		1400								
16		GP-7 (5-11)-071819		1410								
17		GP-8 (0-5)-071819		1420								
18		GP-8 (5-11)-071819		1425								
19		RS-1 (0-6.5)-071819		1440								
20		RS-2 (0-6.5)-071819		1445								

Elmhurst
503325

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 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	7/18/19	1715		TA	7/18/19	1915
	TA	7/19/19	0910		TA	7/19/19	0910
	TA	7/19/19	0953		TA-CHL	7/19/19	0953

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-166992-1

Login Number: 166992
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1,5.2,4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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 1381: Fullerton Ave-Sarah St to Silver Creek Dr Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
9907-9945 Montana Avenue and 2400-2401 Silver Creek Dr. (ISGS Site No. 2791V-5)

City: Franklin Park State: IL Zip Code: 60131

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: 41.92226 (Decimal Degrees) Longitude: - 87.87408 (-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): _____ Approximate End Date (mm/dd/yyyy): _____

Estimated Volume of debris (cu. Yd.): 373

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 1381: Fullerton Ave-Sarah St to Silver Creek Dr Latitude: 41.92226 Longitude: - 87.87408

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 R5-1 THROUGH R5-3, R5-5, AND R5-6 WERE SAMPLED ADJACENT TO ISGS SITE No. 2791V-5. 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: 500-166992-1.
TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-166993-1.
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, Margaret Doheny-Skubic, 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

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

8/14/2019
Date:

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

Summary Table of ISGS Site No. 2791V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1381: Fullerton Avenue from Sarah Street to Silver Creek Drive
Franklin Park, Cook County, Illinois

Field Sample ID	R5-1(0-6.5)-071819	R5-2(0-6.5)-071819	R5-3(0-6.5)-071819	R5-5(0-3)-071819	R5-6(0-3)-071819	Soil Reference Concentrations[A]
Sample Date	7/18/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019	
Location ID	R5-1	R5-2	R5-3	R5-5	R5-6	
Depth	0 - 6.5	0 - 6.5	0 - 6.5	0 - 3	0 - 3	
Parameter						
Laboratory pH (s.u.)	8.3 J	8.0 J	8.6 J	8.0 J	7.5 J	<6.25; >9.0
VOCs	**No Detections**					
SVOCs (ug/kg)						
Anthracene	ND	ND	ND	ND	8.8 J	1.20E+07
Benzo(a)anthracene	35 J	ND	ND	ND	60	900 / 1100 / 1800
Benzo(a)pyrene	39	ND	ND	ND	78	90 / 1300 / 2100
Benzo(b)fluoranthene	70	ND	ND	ND	120	900 / 1500 / 2100
Benzo(g,h,i)perylene	33 J	ND	ND	ND	63	---
Benzo(k)fluoranthene	22 J	ND	ND	ND	34 J	9000
Chrysene	50	ND	ND	ND	85	88000
Dibenzo(a,h)anthracene	8.1 J	ND	ND	ND	15 J	90 / 200 / 420
Fluoranthene	64	ND	ND	ND	140	3100000
Indeno(1,2,3-cd)pyrene	28 J	ND	ND	ND	53	900 / 900 / 1600
Phenanthrene	32 J	ND	ND	ND	42 J	---
Pyrene	66	ND	ND	ND	110	2300000
Total Metals (mg/kg)						
Antimony, Total	0.35 J	ND	ND	ND	ND	5
Arsenic, Total	5.5 J	9.8	9.1	8.9	6.7	11.3 / 13.0
Barium, Total	70	74	49	24	93	1500
Beryllium, Total	0.68	0.78	0.71	0.64	0.92	22
Cadmium, Total	ND	ND	0.26 J	0.17 J	0.56 J	5.2
Calcium, Total	31000 J	3200 B	64000 B	5000 B	7200 B	---
Chromium, Total	16	21	16	17	24	21
Cobalt, Total	7.3 J	16	14	7.5	9.9	20
Copper, Total	23 J	31	27	20	27	2900
Iron, Total	16000	24000	22000	21000	22000	15000 / 15900
Lead, Total	31	16	15	17	61	107
Magnesium, Total	20000 J	5300	27000	5700	6200	325000
Manganese, Total	220 J	400	500	140	180	630 / 636
Mercury, Total	0.024 J	0.029 J	0.012 J	0.021	0.033	0.89
Nickel, Total	22 J	39	33	25	31	100
Potassium, Total	2000 J	2600	2800	2500	2800	---
Silver, Total	2.8	3.9	2.9	3.1	3.8	4.4
Sodium, Total	380	170	180	180	310	---
Thallium, Total	0.77 J	1.3	1	1.3	1.1	2.6
Vanadium, Total	24	28	23	25	33	550
Zinc, Total	66 J	69 B	64 B	70 B	110 B	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.5	0.31 J	0.42 J	0.14 J	0.18 J	2
Cadmium, TCLP	0.002 J	ND	0.0022 J	ND	ND	0.005
Iron, TCLP	ND	ND	ND	0.29 J	ND	5
Manganese, TCLP	0.84	0.052	0.27	0.21	0.072	0.15
Zinc, TCLP	0.024 J	ND	0.39 J	0.6 J	0.028 J	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.014 J	ND	0.054 J	0.06	0.038 J	0.05
Barium, SPLP	0.21 J	0.069 J	0.45 J	0.44 J	0.53	2
Beryllium, SPLP	ND	ND	0.0055	0.0077	0.0057	0.004
Chromium, SPLP	0.052	0.016 J	0.13	0.19	0.14	0.1
Cobalt, SPLP	0.01 J	ND	0.037 J	0.05	0.034	1
Copper, SPLP	0.054	0.01 J	0.15	0.19	0.12	0.65
Iron, SPLP	46	8.2	120	190	130	5
Lead, SPLP	0.077	0.012	0.095	0.14	0.12	0.0075
Manganese, SPLP	0.17	0.029	0.47	0.65	0.42	0.15
Nickel, SPLP	0.038	ND	0.13	0.2	0.12	0.1
Silver, SPLP	ND	ND	ND	0.016 J	ND	0.05
Zinc, SPLP	0.31 J	0.13 J	0.62	1.1	0.43 J	5

Notes:

--- - not applicable or value not available.

Only detected constituents are presented.

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

ND - Constituent not detected above the reporting limit.

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

J - Estimated concentration.

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: 500-166992-1
Client Project/Site: IDOT - Franklin Park - WO 067
Revision: 1

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

Attn: Mr. Andris Slesers

Authorized for release by:
7/30/2019 8:02:05 AM

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: R5-1(0-6.5)-071819
Date Collected: 07/18/19 14:40
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-19
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.3	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Chloroethane	<4.2	*	4.2	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1
Xylenes, Total	<3.3		3.3	0.54	ug/Kg	☼	07/19/19 17:40	07/23/19 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*75 - 131*	*07/19/19 17:40*	*07/23/19 17:26*	*1*
Dibromofluoromethane	*102*		*75 - 126*	*07/19/19 17:40*	*07/23/19 17:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*07/19/19 17:40*	*07/23/19 17:26*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*07/19/19 17:40*	*07/23/19 17:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: R5-1(0-6.5)-071819
Date Collected: 07/18/19 14:40
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-19
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2-Methylphenol	<200		200	63	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Anthracene	<39		39	6.6	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Benzo[a]anthracene	**35**	**J**	39	5.3	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Benzo[a]pyrene	**39**		39	7.6	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Benzo[b]fluoranthene	**70**		39	8.5	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Benzo[g,h,i]perylene	**33**	**J**	39	13	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Benzo[k]fluoranthene	**22**	**J**	39	12	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Carbazole	<200		200	98	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Chrysene	**50**		39	11	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Dibenz(a,h)anthracene	**8.1**	**J**	39	7.6	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Dibenzofuran	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Fluoranthene	**64**		39	7.3	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Fluorene	<39		39	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Hexachloroethane	<200		200	60	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1

Client Sample ID: R5-1(0-6.5)-071819

Date Collected: 07/18/19 14:40
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-19

Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**28**	**J**	39	10	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Isophorone	<200		200	44	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Naphthalene	<39		39	6.1	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Phenanthrene	**32**	**J**	39	5.5	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Phenol	<200		200	87	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1
Pyrene	**66**		39	7.8	ug/Kg	☼	07/22/19 07:31	07/23/19 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*107*		*31 - 143*	*07/22/19 07:31*	*07/23/19 20:37*	*1*
2-Fluorobiphenyl	*86*		*43 - 145*	*07/22/19 07:31*	*07/23/19 20:37*	*1*
2-Fluorophenol	*76*		*31 - 166*	*07/22/19 07:31*	*07/23/19 20:37*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*07/22/19 07:31*	*07/23/19 20:37*	*1*
Phenol-d5	*77*		*30 - 153*	*07/22/19 07:31*	*07/23/19 20:37*	*1*
Terphenyl-d14	*105*		*42 - 157*	*07/22/19 07:31*	*07/23/19 20:37*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 15:13	07/24/19 12:08	1
Barium	**0.50**		0.50	0.050	mg/L		07/23/19 15:13	07/24/19 12:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 12:08	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 12:08	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 16:08	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:08	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:08	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 12:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 12:08	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:08	1
Selenium	<0.050	F1	0.050	0.020	mg/L		07/23/19 15:13	07/24/19 12:08	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:08	1
Zinc	**0.024**	**J**	0.50	0.020	mg/L		07/23/19 15:13	07/24/19 12:08	1
Manganese	**0.84**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.014**	**J**	0.050	0.010	mg/L		07/23/19 15:10	07/24/19 18:18	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		07/23/19 15:10	07/24/19 18:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 18:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 18:18	1
Chromium	**0.052**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:18	1
Cobalt	**0.010**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:18	1
Copper	**0.054**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:18	1
Iron	**46**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 18:18	1
Lead	**0.077**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 18:18	1
Nickel	**0.038**		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:18	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 18:18	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:18	1

Client Sample ID: R5-1(0-6.5)-071819

Date Collected: 07/18/19 14:40
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-19

Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.31	J	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 18:18	1
Manganese	0.17		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:18	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.35	J F1	1.2	0.23	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Arsenic	5.5	F2	0.58	0.20	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Barium	70		0.58	0.067	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Beryllium	0.68		0.23	0.055	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Cadmium	0.26	B	0.12	0.021	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Calcium	31000	B F2	12	2.0	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Chromium	16		0.58	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Cobalt	7.3		0.29	0.077	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Copper	23		0.58	0.16	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Iron	16000		12	6.1	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Lead	31		0.29	0.14	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Magnesium	20000	F2	5.8	2.9	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Manganese	220		0.58	0.085	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Nickel	22		0.58	0.17	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Potassium	2000	F1	29	10	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Selenium	<0.58	F1	0.58	0.34	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Silver	2.8		0.29	0.075	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Sodium	380		58	8.7	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Thallium	0.77		0.58	0.29	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Vanadium	24		0.29	0.069	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1
Zinc	66	B F1	1.2	0.51	mg/Kg	☼	07/23/19 08:31	07/24/19 13:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 10:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		19	6.5	ug/Kg	☼	07/23/19 14:55	07/24/19 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			07/24/19 16:15	1

Client Sample ID: R5-2(0-6.5)-071819

Date Collected: 07/18/19 14:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-20

Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	6.9	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Carbon disulfide	<4.0		4.0	0.82	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Chloroethane	<4.0	*	4.0	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	07/19/19 17:40	07/23/19 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*75 - 131*	*07/19/19 17:40*	*07/23/19 17:51*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*07/19/19 17:40*	*07/23/19 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*	*07/19/19 17:40*	*07/23/19 17:51*	*1*
Toluene-d8 (Surr)	*91*		*75 - 124*	*07/19/19 17:40*	*07/23/19 17:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166992-1

Client Sample ID: R5-2(0-6.5)-071819
Date Collected: 07/18/19 14:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-20
Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2-Methylphenol	<190		190	61	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Anthracene	<38		38	6.4	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Carbazole	<190		190	95	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Chrysene	<38		38	10	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Dibenzofuran	<190		190	45	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Fluorene	<38		38	5.4	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Hexachloroethane	<190		190	58	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1

Client Sample ID: R5-2(0-6.5)-071819

Date Collected: 07/18/19 14:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-20

Matrix: Solid
Percent Solids: 87.0

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	<38		38	9.9	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Isophorone	<190		190	43	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Naphthalene	<38		38	5.9	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Phenol	<190		190	85	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1
Pyrene	<38		38	7.6	ug/Kg	☼	07/22/19 07:31	07/23/19 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*115*		*31 - 143*	*07/22/19 07:31*	*07/23/19 20:12*	*1*
2-Fluorobiphenyl	*88*		*43 - 145*	*07/22/19 07:31*	*07/23/19 20:12*	*1*
2-Fluorophenol	*72*		*31 - 166*	*07/22/19 07:31*	*07/23/19 20:12*	*1*
Nitrobenzene-d5	*79*		*37 - 147*	*07/22/19 07:31*	*07/23/19 20:12*	*1*
Phenol-d5	*75*		*30 - 153*	*07/22/19 07:31*	*07/23/19 20:12*	*1*
Terphenyl-d14	*107*		*42 - 157*	*07/22/19 07:31*	*07/23/19 20:12*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 15:13	07/24/19 12:25	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		07/23/19 15:13	07/24/19 12:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:13	07/24/19 12:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:13	07/24/19 12:25	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 16:33	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:25	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:25	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 15:13	07/24/19 12:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 15:13	07/24/19 12:25	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:25	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:13	07/24/19 12:25	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:25	1
Zinc	<0.50		0.50	0.020	mg/L		07/23/19 15:13	07/24/19 12:25	1
Manganese	**0.052**		0.025	0.010	mg/L		07/23/19 15:13	07/24/19 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 15:10	07/24/19 18:22	1
Barium	**0.069**	**J**	0.50	0.050	mg/L		07/23/19 15:10	07/24/19 18:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 15:10	07/24/19 18:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:10	07/24/19 18:22	1
Chromium	**0.016**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:22	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:22	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:22	1
Iron	**8.2**		0.40	0.20	mg/L		07/23/19 15:10	07/24/19 18:22	1
Lead	**0.012**		0.0075	0.0075	mg/L		07/23/19 15:10	07/24/19 18:22	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:22	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:10	07/24/19 18:22	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:22	1

Client Sample ID: R5-2(0-6.5)-071819
Date Collected: 07/18/19 14:45
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166992-20
Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.13	J	0.50	0.020	mg/L		07/23/19 15:10	07/24/19 18:22	1
Manganese	0.029		0.025	0.010	mg/L		07/23/19 15:10	07/24/19 18:22	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	☼	07/23/19 08:31	07/24/19 13:31	1
Arsenic	9.8		0.54	0.18	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Barium	74		0.54	0.061	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Beryllium	0.78		0.22	0.050	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Cadmium	0.29	B	0.11	0.019	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Calcium	3200	B	11	1.8	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Chromium	21		0.54	0.27	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Cobalt	16		0.27	0.070	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Copper	31		0.54	0.15	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Iron	24000		11	5.6	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Lead	16		0.27	0.12	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Magnesium	5300		5.4	2.7	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Manganese	400		0.54	0.078	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Nickel	39		0.54	0.16	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Potassium	2600		27	9.5	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Silver	3.9		0.27	0.069	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Sodium	170		54	8.0	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Thallium	1.3		0.54	0.27	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Vanadium	28		0.27	0.064	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1
Zinc	69	B	1.1	0.47	mg/Kg	☼	07/23/19 08:31	07/24/19 13:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/24/19 10:25	07/25/19 10:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	29		18	6.1	ug/Kg	☼	07/23/19 14:55	07/24/19 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			07/24/19 16:17	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-166992-1
Project/Site: IDOT - Franklin Park - WO 067

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
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: 500-166992-1
Project/Site: IDOT - Franklin Park - WO 067

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	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 6(
Phone: 708.534.5200 Fax: 708.53

500-166992 COC

Chain of Custody Record

Lab Job #: 500-166992

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 2.1/5.2/4.0

Report To (optional)	Bill To (optional)
Contact: Andris Sleseks	Contact: SAME
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Andris.Sleseks@WestonSolutions.com	PO#/Reference#

Client: Weston | Client Project #:

Project Name: IDOT FAU 1381

Project Location/State: Franklin Park, IL | Lab Project #:

Sampler: C. Pence | Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		R1-1 (0-1.5)-071819	7/18/19	1135	6	S		X	X	X	X	X					
2		R1-2 (0-3)-071819		1025													
3		R1-2 (3-7)-071819		1030													
4		R3-1 (0-5.5)-071819		1045													
5		R3-1 (0-5.5)-071819D		1045													
6		R3-2 (0-3)-071819		1300													
7		R3-2 (3-7)-071819		1305													
8		GP-1 (0-4)-071819		1310													
9		GP-2 (0-4)-071819		1315													
10		GP-3 (0-4)-071819		1325													

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

Elmhurst

503325

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 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)

	Company	Date	Time		Company	Date	Time
Relinquished By	Weston	7/18/19	1715	Received By	TA	7/18/19	1715
Relinquished By	TA	7/19/19	0910	Received By	TA	7/19/19	0910
Relinquished By	TA	7/19/19	0953	Received By	TA-CHI	7/19/19	0953

Lab Courier: DA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-106992

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: Andrs Slesers	Contact:
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: Andrs.Slesers@westonsolutions.com	PO#/Reference#

Client: Weston | Client Project #:

Project Name: IDOT FAU 1391

Project Location/State: Franklin Park IL | Lab Project #:

Sampler: C. Peron | 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	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP Metals	PAH	Comments
11		GP-4 (0-4)-071819	7/18/19	1330	6	S	X	X	X	X	X	
12		GP-5 (0-6.5)-071819		1335								
13		GP-6 (0-6.5)-071819		1345								
14		GP-7 (0-5)-071819		1400								
15		GP-7 (0-5)-071819 D		1400								
16		GP-7 (5-11)-071819		1410								
17		GP-8 (0-5)-071819		1420								
18		GP-8 (5-11)-071819		1425								
19		RS-1 (0-6.5)-071819		1440								
20		RS-2 (0-6.5)-071819		1445								

Elmhurst
503325

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 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	7/18/19	1715		TA	7/18/19	1915
	TA	7/19/19	0910		TA	7/19/19	0910
	TA	7/19/19	0953		TA-CHL	7/19/19	0953

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-166992-1

Login Number: 166992
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1,5.2,4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-166993-1
Client Project/Site: IDOT - Franklin Park - WO 067
Revision: 1

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

Attn: Mr. Andris Slesers

Authorized for release by:
7/30/2019 8:03:34 AM

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

Client Sample ID: R5-3(0-6.5)-071819

Date Collected: 07/18/19 15:00
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-1

Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.0	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Carbon disulfide	<4.0		4.0	0.84	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Chloroethane	<4.0	*	4.0	1.2	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
1,2-Dichloroethane	<4.0		4.0	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Ethylbenzene	<1.6		1.6	0.77	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	07/19/19 17:40	07/22/19 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*75 - 131*	*07/19/19 17:40*	*07/22/19 15:39*	*1*
Dibromofluoromethane	*102*		*75 - 126*	*07/19/19 17:40*	*07/22/19 15:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*07/19/19 17:40*	*07/22/19 15:39*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*07/19/19 17:40*	*07/22/19 15:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1

Client Sample ID: R5-3(0-6.5)-071819
Date Collected: 07/18/19 15:00
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-1
Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2,4-Dinitrophenol	<780	F1	780	680	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2-Methylphenol	<200		200	62	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
4,6-Dinitro-2-methylphenol	<780	F1	780	310	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Anthracene	<39		39	6.5	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Carbazole	<200	* F1	200	97	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Chrysene	<39		39	11	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Dibenzofuran	<200		200	45	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Fluorene	<39		39	5.5	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Hexachlorocyclopentadiene	<780	* F1	780	220	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Hexachloroethane	<200		200	59	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1

Client Sample ID: R5-3(0-6.5)-071819

Date Collected: 07/18/19 15:00
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-1

Matrix: Solid
Percent Solids: 84.6

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	<39		39	10	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Isophorone	<200		200	44	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Naphthalene	<39		39	6.0	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Pentachlorophenol	<780	F1	780	620	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Phenol	<200		200	86	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1
Pyrene	<39		39	7.7	ug/Kg	☼	07/19/19 19:33	07/22/19 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*31 - 143*	*07/19/19 19:33*	*07/22/19 14:01*	*1*
2-Fluorobiphenyl	*91*		*43 - 145*	*07/19/19 19:33*	*07/22/19 14:01*	*1*
2-Fluorophenol	*87*		*31 - 166*	*07/19/19 19:33*	*07/22/19 14:01*	*1*
Nitrobenzene-d5	*79*		*37 - 147*	*07/19/19 19:33*	*07/22/19 14:01*	*1*
Phenol-d5	*79*		*30 - 153*	*07/19/19 19:33*	*07/22/19 14:01*	*1*
Terphenyl-d14	*103*		*42 - 157*	*07/19/19 19:33*	*07/22/19 14:01*	*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		07/23/19 08:59	07/23/19 18:26	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		07/23/19 08:59	07/23/19 18:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 08:59	07/23/19 18:26	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		07/23/19 08:59	07/23/19 18:26	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:26	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:26	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:26	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 08:59	07/23/19 18:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 08:59	07/23/19 18:26	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:26	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 08:59	07/23/19 18:26	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:26	1
Zinc	**0.39**	**J ^**	0.50	0.020	mg/L		07/23/19 08:59	07/23/19 18:26	1
Manganese	**0.27**		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.054**	**J**	0.10	0.020	mg/L		07/23/19 15:12	07/24/19 16:37	2
Barium	**0.45**	**J**	0.50	0.050	mg/L		07/23/19 15:12	07/24/19 09:41	1
Beryllium	**0.0055**		0.0040	0.0040	mg/L		07/23/19 15:12	07/24/19 09:41	1
Cadmium	<0.010		0.010	0.0040	mg/L		07/23/19 15:12	07/24/19 16:37	2
Chromium	**0.13**		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 09:41	1
Cobalt	**0.037**	**J**	0.050	0.020	mg/L		07/23/19 15:12	07/24/19 16:37	2
Copper	**0.15**		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 09:41	1
Iron	**120**		0.40	0.20	mg/L		07/23/19 15:12	07/24/19 09:41	1
Lead	**0.095**		0.015	0.015	mg/L		07/23/19 15:12	07/24/19 16:37	2
Nickel	**0.13**		0.050	0.020	mg/L		07/23/19 15:12	07/24/19 16:37	2
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:12	07/24/19 09:41	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 09:41	1

Client Sample ID: R5-3(0-6.5)-071819

Date Collected: 07/18/19 15:00
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-1

Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.62		0.50	0.020	mg/L		07/23/19 15:12	07/24/19 09:41	1
Manganese	0.47		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 09:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Arsenic	9.1		0.55	0.19	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Barium	49		0.55	0.063	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Beryllium	0.71		0.22	0.052	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Cadmium	0.26	B	0.11	0.020	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Calcium	64000	B	55	9.4	mg/Kg	☼	07/23/19 08:32	07/24/19 18:24	5
Chromium	16		0.55	0.27	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Cobalt	14		0.28	0.073	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Copper	27		0.55	0.16	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Iron	22000		11	5.8	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Lead	15		0.28	0.13	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Magnesium	27000		5.5	2.8	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Manganese	500		0.55	0.080	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Nickel	33		0.55	0.16	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Potassium	2800		28	9.8	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Selenium	<0.55		0.55	0.33	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Silver	2.9		0.28	0.072	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Sodium	180		55	8.2	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Thallium	1.0		0.55	0.28	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Vanadium	23		0.28	0.065	mg/Kg	☼	07/23/19 08:32	07/23/19 17:00	1
Zinc	64	B	1.1	0.49	mg/Kg	☼	07/23/19 08:32	07/24/19 18:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/23/19 16:20	07/24/19 10:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.33	F1	0.33	0.33	ug/L		07/23/19 16:20	07/24/19 10:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	19	6.4	ug/Kg	☼	07/23/19 14:55	07/24/19 07:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			07/24/19 15:15	1

Client Sample ID: R5-5(0-3)-071819
Date Collected: 07/18/19 15:20
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-3
Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.1	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Benzene	<1.6		1.6	0.42	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Bromoform	<1.6		1.6	0.48	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Carbon disulfide	<4.1		4.1	0.85	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Chloroethane	<4.1	*	4.1	1.2	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Chloroform	<1.6		1.6	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
cis-1,2-Dichloroethene	<1.6		1.6	0.46	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Tetrachloroethene	<1.6		1.6	0.56	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1
Xylenes, Total	<3.3		3.3	0.52	ug/Kg	☼	07/19/19 17:40	07/22/19 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 131*	*07/19/19 17:40*	*07/22/19 16:31*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*07/19/19 17:40*	*07/22/19 16:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*	*07/19/19 17:40*	*07/22/19 16:31*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*07/19/19 17:40*	*07/22/19 16:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1

Client Sample ID: R5-5(0-3)-071819
Date Collected: 07/18/19 15:20
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-3
Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2-Methylphenol	<200		200	63	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Anthracene	<39		39	6.5	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Carbazole	<200	*	200	98	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Chrysene	<39		39	11	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Dibenzofuran	<200		200	46	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Fluorene	<39		39	5.5	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Hexachlorocyclopentadiene	<790	*	790	230	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Hexachloroethane	<200		200	60	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1

Client Sample ID: R5-5(0-3)-071819
Date Collected: 07/18/19 15:20
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-3
Matrix: Solid
Percent Solids: 83.1

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	<39		39	10	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Isophorone	<200		200	44	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Naphthalene	<39		39	6.0	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Phenol	<200		200	87	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1
Pyrene	<39		39	7.8	ug/Kg	☼	07/19/19 19:33	07/22/19 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*31 - 143*	*07/19/19 19:33*	*07/22/19 15:58*	*1*
2-Fluorobiphenyl	*74*		*43 - 145*	*07/19/19 19:33*	*07/22/19 15:58*	*1*
2-Fluorophenol	*79*		*31 - 166*	*07/19/19 19:33*	*07/22/19 15:58*	*1*
Nitrobenzene-d5	*66*		*37 - 147*	*07/19/19 19:33*	*07/22/19 15:58*	*1*
Phenol-d5	*77*		*30 - 153*	*07/19/19 19:33*	*07/22/19 15:58*	*1*
Terphenyl-d14	*112*		*42 - 157*	*07/19/19 19:33*	*07/22/19 15:58*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 08:59	07/23/19 18:34	1
Barium	**0.14**	**J**	0.50	0.050	mg/L		07/23/19 08:59	07/23/19 18:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 08:59	07/23/19 18:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 08:59	07/23/19 18:34	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:34	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:34	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:34	1
Iron	**0.29**	**J**	0.40	0.20	mg/L		07/23/19 08:59	07/23/19 18:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 08:59	07/23/19 18:34	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:34	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 08:59	07/23/19 18:34	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:34	1
Zinc	**0.60**		0.50	0.020	mg/L		07/23/19 08:59	07/24/19 12:29	1
Manganese	**0.21**		0.025	0.010	mg/L		07/23/19 08:59	07/24/19 12:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.060**		0.050	0.010	mg/L		07/23/19 15:12	07/24/19 10:46	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		07/23/19 15:12	07/24/19 10:46	1
Beryllium	**0.0077**		0.0040	0.0040	mg/L		07/23/19 15:12	07/24/19 10:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:12	07/24/19 10:46	1
Chromium	**0.19**		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:46	1
Cobalt	**0.050**		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:46	1
Copper	**0.19**		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:46	1
Iron	**190**		0.40	0.20	mg/L		07/23/19 15:12	07/24/19 10:46	1
Lead	**0.14**		0.0075	0.0075	mg/L		07/23/19 15:12	07/24/19 10:46	1
Nickel	**0.20**		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:46	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:12	07/24/19 10:46	1
Silver	**0.016**	**J**	0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:46	1

Client Sample ID: R5-5(0-3)-071819

Date Collected: 07/18/19 15:20
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-3

Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**1.1**		0.50	0.020	mg/L		07/23/19 15:12	07/24/19 10:46	1
Manganese	**0.65**		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:46	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	☼	07/23/19 08:32	07/23/19 17:08	1
Arsenic	**8.9**		0.58	0.20	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Barium	**24**		0.58	0.066	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Beryllium	**0.64**		0.23	0.054	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Cadmium	**0.17**	**B**	0.12	0.021	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Calcium	**5000**	**B**	12	2.0	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Chromium	**17**		0.58	0.29	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Cobalt	**7.5**		0.29	0.076	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Copper	**20**		0.58	0.16	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Iron	**21000**		12	6.0	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Lead	**17**		0.29	0.13	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Magnesium	**5700**		5.8	2.9	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Manganese	**140**		0.58	0.084	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Nickel	**25**		0.58	0.17	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Potassium	**2500**		29	10	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Silver	**3.1**		0.29	0.075	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Sodium	**180**		58	8.6	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Thallium	**1.3**		0.58	0.29	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Vanadium	**25**		0.29	0.069	mg/Kg	☼	07/23/19 08:32	07/23/19 17:08	1
Zinc	**70**	**B**	1.2	0.51	mg/Kg	☼	07/23/19 08:32	07/24/19 18:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/23/19 16:20	07/24/19 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<1.0		1.0	1.0	ug/L		07/23/19 16:20	07/24/19 10:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		19	6.3	ug/Kg	☼	07/23/19 14:55	07/24/19 08:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			07/24/19 15:19	1

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Date Collected: 07/18/19 15:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-4

Matrix: Solid
Percent Solids: 74.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<20		20	8.6	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Benzene	<2.0		2.0	0.50	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Bromodichloromethane	<2.0		2.0	0.40	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Bromoform	<2.0		2.0	0.58	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Bromomethane	<4.9		4.9	1.9	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Carbon disulfide	<4.9		4.9	1.0	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Carbon tetrachloride	<2.0		2.0	0.57	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Chlorobenzene	<2.0		2.0	0.73	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Chloroethane	<4.9	*	4.9	1.5	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Chloroform	<2.0		2.0	0.69	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Chloromethane	<4.9		4.9	2.0	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
cis-1,2-Dichloroethene	<2.0		2.0	0.55	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
cis-1,3-Dichloropropene	<2.0		2.0	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Dibromochloromethane	<2.0		2.0	0.65	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
1,1-Dichloroethane	<2.0		2.0	0.68	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
1,2-Dichloroethane	<4.9		4.9	1.5	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
1,1-Dichloroethene	<2.0		2.0	0.68	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
1,2-Dichloropropane	<2.0		2.0	0.51	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
1,3-Dichloropropene, Total	<2.0		2.0	0.69	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Ethylbenzene	<2.0		2.0	0.95	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
2-Hexanone	<4.9		4.9	1.5	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Methylene Chloride	<4.9		4.9	1.9	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Methyl Ethyl Ketone	<4.9		4.9	2.2	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
methyl isobutyl ketone	<4.9		4.9	1.5	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Methyl tert-butyl ether	<2.0		2.0	0.58	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Styrene	<2.0		2.0	0.60	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.63	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Tetrachloroethene	<2.0		2.0	0.67	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Toluene	<2.0		2.0	0.50	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
trans-1,2-Dichloroethene	<2.0		2.0	0.88	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
trans-1,3-Dichloropropene	<2.0		2.0	0.69	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
1,1,1-Trichloroethane	<2.0		2.0	0.66	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
1,1,2-Trichloroethane	<2.0		2.0	0.85	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Trichloroethene	<2.0		2.0	0.67	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Vinyl chloride	<2.0		2.0	0.87	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1
Xylenes, Total	<4.0		4.0	0.63	ug/Kg	☼	07/19/19 17:40	07/22/19 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*75 - 131*	*07/19/19 17:40*	*07/22/19 16:57*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*07/19/19 17:40*	*07/22/19 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*07/19/19 17:40*	*07/22/19 16:57*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*07/19/19 17:40*	*07/22/19 16:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<220		220	48	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
1,2-Dichlorobenzene	<220		220	53	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
1,3-Dichlorobenzene	<220		220	50	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
1,4-Dichlorobenzene	<220		220	57	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2,2'-oxybis[1-chloropropane]	<220		220	52	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1

Client Sample ID: R5-6(0-3)-071819
Date Collected: 07/18/19 15:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-4
Matrix: Solid
Percent Solids: 74.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<440		440	100	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2,4,6-Trichlorophenol	<440		440	150	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2,4-Dichlorophenol	<440		440	110	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2,4-Dimethylphenol	<440		440	170	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2,4-Dinitrophenol	<900		900	790	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2,4-Dinitrotoluene	<220		220	71	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2,6-Dinitrotoluene	<220		220	88	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2-Chloronaphthalene	<220		220	49	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2-Chlorophenol	<220		220	76	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2-Methylnaphthalene	<90		90	8.2	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2-Methylphenol	<220		220	72	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2-Nitroaniline	<220		220	60	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
2-Nitrophenol	<440		440	110	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
3 & 4 Methylphenol	<220		220	75	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
3,3'-Dichlorobenzidine	<220		220	63	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
3-Nitroaniline	<440		440	140	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
4,6-Dinitro-2-methylphenol	<900		900	360	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
4-Bromophenyl phenyl ether	<220		220	59	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
4-Chloro-3-methylphenol	<440		440	150	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
4-Chloroaniline	<900		900	210	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
4-Chlorophenyl phenyl ether	<220		220	52	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
4-Nitroaniline	<440		440	190	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
4-Nitrophenol	<900		900	430	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Acenaphthene	<44		44	8.0	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Acenaphthylene	<44		44	5.9	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Anthracene	**8.8**	**J**	44	7.5	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Benzo[a]anthracene	**60**		44	6.0	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Benzo[a]pyrene	**78**		44	8.7	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Benzo[b]fluoranthene	**120**		44	9.6	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Benzo[g,h,i]perylene	**63**		44	14	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Benzo[k]fluoranthene	**34**	**J**	44	13	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Bis(2-chloroethoxy)methane	<220		220	46	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Bis(2-chloroethyl)ether	<220		220	67	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Bis(2-ethylhexyl) phthalate	<220		220	82	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Butyl benzyl phthalate	<220		220	85	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Carbazole	<220	*	220	110	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Chrysene	**85**		44	12	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Dibenz(a,h)anthracene	**15**	**J**	44	8.6	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Dibenzofuran	<220		220	52	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Diethyl phthalate	<220		220	76	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Dimethyl phthalate	<220		220	58	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Di-n-butyl phthalate	<220		220	68	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Di-n-octyl phthalate	<220		220	73	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Fluoranthene	**140**		44	8.3	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Fluorene	<44		44	6.3	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Hexachlorobenzene	<90		90	10	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Hexachlorobutadiene	<220		220	70	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Hexachlorocyclopentadiene	<900	*	900	260	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Hexachloroethane	<220		220	68	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1

Client Sample ID: R5-6(0-3)-071819
Date Collected: 07/18/19 15:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-4
Matrix: Solid
Percent Solids: 74.3

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	**53**		44	12	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Isophorone	<220		220	50	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Naphthalene	<44		44	6.9	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Nitrobenzene	<44		44	11	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
N-Nitrosodi-n-propylamine	<90		90	55	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
N-Nitrosodiphenylamine	<220		220	53	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Pentachlorophenol	<900		900	720	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Phenanthrene	**42**	**J**	44	6.2	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Phenol	<220		220	99	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1
Pyrene	**110**		44	8.9	ug/Kg	☼	07/19/19 19:33	07/22/19 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*31 - 143*	*07/19/19 19:33*	*07/22/19 16:28*	*1*
2-Fluorobiphenyl	*91*		*43 - 145*	*07/19/19 19:33*	*07/22/19 16:28*	*1*
2-Fluorophenol	*91*		*31 - 166*	*07/19/19 19:33*	*07/22/19 16:28*	*1*
Nitrobenzene-d5	*75*		*37 - 147*	*07/19/19 19:33*	*07/22/19 16:28*	*1*
Phenol-d5	*85*		*30 - 153*	*07/19/19 19:33*	*07/22/19 16:28*	*1*
Terphenyl-d14	*120*		*42 - 157*	*07/19/19 19:33*	*07/22/19 16:28*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/23/19 08:59	07/23/19 18:38	1
Barium	**0.18**	**J**	0.50	0.050	mg/L		07/23/19 08:59	07/23/19 18:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/23/19 08:59	07/23/19 18:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 08:59	07/23/19 18:38	1
Chromium	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:38	1
Cobalt	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:38	1
Copper	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:38	1
Iron	<0.40		0.40	0.20	mg/L		07/23/19 08:59	07/23/19 18:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/23/19 08:59	07/23/19 18:38	1
Nickel	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:38	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 08:59	07/23/19 18:38	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:38	1
Zinc	**0.028**	**J ^**	0.50	0.020	mg/L		07/23/19 08:59	07/23/19 18:38	1
Manganese	**0.072**		0.025	0.010	mg/L		07/23/19 08:59	07/23/19 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.038**	**J**	0.050	0.010	mg/L		07/23/19 15:12	07/24/19 10:50	1
Barium	**0.53**		0.50	0.050	mg/L		07/23/19 15:12	07/24/19 10:50	1
Beryllium	**0.0057**		0.0040	0.0040	mg/L		07/23/19 15:12	07/24/19 10:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/23/19 15:12	07/24/19 10:50	1
Chromium	**0.14**		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:50	1
Cobalt	**0.034**		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:50	1
Copper	**0.12**		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:50	1
Iron	**130**		0.40	0.20	mg/L		07/23/19 15:12	07/24/19 10:50	1
Lead	**0.12**		0.0075	0.0075	mg/L		07/23/19 15:12	07/24/19 10:50	1
Nickel	**0.12**		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:50	1
Selenium	<0.050		0.050	0.020	mg/L		07/23/19 15:12	07/24/19 10:50	1
Silver	<0.025		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:50	1

Client Sample ID: R5-6(0-3)-071819
Date Collected: 07/18/19 15:25
Date Received: 07/19/19 09:53

Lab Sample ID: 500-166993-4
Matrix: Solid
Percent Solids: 74.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.43	J	0.50	0.020	mg/L		07/23/19 15:12	07/24/19 10:50	1
Manganese	0.42		0.025	0.010	mg/L		07/23/19 15:12	07/24/19 10:50	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	☼	07/23/19 08:32	07/23/19 17:12	1
Arsenic	6.7		0.62	0.21	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Barium	93		0.62	0.071	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Beryllium	0.92		0.25	0.058	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Cadmium	0.56	B	0.12	0.022	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Calcium	7200	B	12	2.1	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Chromium	24		0.62	0.31	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Cobalt	9.9		0.31	0.081	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Copper	27		0.62	0.17	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Iron	22000		12	6.4	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Lead	61		0.31	0.14	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Magnesium	6200		6.2	3.1	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Manganese	180		0.62	0.090	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Nickel	31		0.62	0.18	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Potassium	2800		31	11	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Selenium	<0.62		0.62	0.36	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Silver	3.8		0.31	0.080	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Sodium	310		62	9.2	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Thallium	1.1		0.62	0.31	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Vanadium	33		0.31	0.073	mg/Kg	☼	07/23/19 08:32	07/23/19 17:12	1
Zinc	110	B	1.2	0.54	mg/Kg	☼	07/23/19 08:32	07/24/19 18:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/23/19 16:20	07/24/19 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.33		0.33	0.33	ug/L		07/23/19 16:20	07/24/19 10:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	33		21	7.1	ug/Kg	☼	07/23/19 14:55	07/24/19 08:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			07/24/19 15:21	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Franklin Park - WO 067

Job ID: 500-166993-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

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

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.
F1	MS and/or MSD Recovery is outside acceptance 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: 500-166993-1
Project/Site: IDOT - Franklin Park - WO 067

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	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 TI

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.52

500-166993 COC

(optional)
Report To
Contact: Andris Slesers
Company:
Address:
Address:
Phone:
Fax:
E-Mail: Andris.Slesers@westonsolutions.com

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

Chain of Custody Record

Lab Job # 500-166993

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 2.1, 5.2, 4.0

Client: Weston
Client Project #:
Project Name: IDOT PAU 1381
Project Location/State: Franklin Park, IL
Lab Project #:
Sampler: C. Pence
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 metals	pH	Comments
1		RS-3 (0-6.5)-071819	7/18/19	1500	6	S		X	X	X	X	X	
2		RS-4 (0-3)-071819		1510									
3		RS-5 (0-3)-071819		1520									
4		RS-6 (0-3)-071819		1525									
5		RS-7 (0-6.5)-071819		1545									
6		RS-7 (0-6.5)-071819D		1545									
7		RS-8 (0-3)-071819		1555									
8		RS-8 (3-7)-071819		1600									

Elmhurst
503325

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 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 ...)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	7/18/19	1715		TA	7/18/19	1915
	TA	7/19/19	0910		TA	7/19/19	0910
	TA	7/19/19	0953		TA-CHI	7/19/19	0953

Lab Courier: FED-EX
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

Login Sample Receipt Checklist

Client: Weston Solutions, Inc. Job Number: 500-166993-1

Login Number: 166993 **List Source: Eurofins TestAmerica, Chicago**
List Number: 1
Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1,5.2,4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	