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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Canadian Pacific Railroad - 400 block of E. Belvidere Road (ISGS Site No. 3079V2-10)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

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

Latitude: 42.32905 (Decimal Degrees) Longitude: - 88.02586 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

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

Estimated Volume of debris (cu. Yd.): 9,337

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: FAP 866 - IL 83 at IL 137 Latitude: 42.32905 Longitude: - 88.02586

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 CR-1 THROUGH CR-13 WERE SAMPLED ALONG THE CANADIAN PACIFIC RAILROAD ROW. SEE FIGURES 3-2 THROUGH 3-4, AND TABLE 4-1 OF THE 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 REPORTS - JOB IDs: 500-176710-1 AND 500-177008-1. ALSO SEE FIGURES 4-2 THROUGH 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

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

Summary Table of Canadian Pacific Railroad (ISGS Site No. 3079V-10)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CR-1	CR-1	CR-2	CR-2	CR-2	CR-3	CR-4	CR-4
Sample Date		1/28/2020	1/28/2020	1/28/2020	1/28/2020	1/28/2020	1/21/2020	1/21/2020	1/21/2020
Field Sample ID		CR-1(0-5)-012820	CR-1(5-9)-012820	CR-2(0-5)-012820	CR-2(0-5)-012820D	CR-2(5-9)-012820	CR-3(0-2)-012120	CR-4(0-5)-012120	CR-4(5-9)-012120D
ISGS Site No.		3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10
Laboratory pH	<6.25, >9.0	8.7	8.4	7.5	7.7	8.0	8.1	8.6	8.6
VOCs		**No Exceedances**							
SVOCs (mg/kg)									
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	0.025 J	0.017 J	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	0.042	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	0.046	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	0.063	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	ND	ND	0.015 J	ND	ND	0.12	0.0067 J	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	ND	ND	0.017 J	0.012 J	ND	0.2	0.011 J	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	ND	ND	0.024 J	0.017 J	ND	0.34	0.015 J	ND
Benzo(g,h,i)perylene	---	ND	ND	0.015 J	0.015 J	0.015 J	0.092	ND	ND
Benzo(k)fluoranthene	9	ND	ND	ND	ND	ND	0.11	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	0.12 J	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	ND	0.015 J	0.026 J	0.022 J	0.022 J	0.19	0.011 J	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	ND	ND	ND	0.026 J	ND	ND
Dibenzofuran	---	ND	ND	ND	ND	ND	0.074 J	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	ND	ND	0.056	0.043	0.032 J	0.28	0.011 J	ND
Fluorene	560	ND	ND	ND	ND	ND	0.016 J	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	ND	ND	ND	ND	0.082	ND	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	0.041	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	0.0077 J	0.026 J	0.019 J	0.021 J	0.11	0.015 J	ND
Pyrene	2300	ND	ND	0.028 J	0.018 J	0.012 J	0.17	0.01 J	ND
Pesticides (mg/kg)									
4,4-DDD	3	---	---	---	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---	---	---	---
PCBs (mg/kg)									
Aroclor-1248	1	---	---	---	---	---	---	---	---
Total Inorganics (mg/kg)									
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	0.66 J	0.64 J	0.73 J	0.77 J	0.69 J	ND	0.34 J	0.35 J
Arsenic, Total	11.3 / 13.0	5.2	4.4	5.1	6.3	5.9	6.1	4.4	5.4
Barium, Total	1500	35	38	47	45	31	74	40	47
Beryllium, Total	22	0.74	0.79	0.76	0.77	0.65	0.94	0.79	0.81
Cadmium, Total	5.2	0.17 J	0.18 J	0.3 J	0.24 J	0.18 J	1.1	0.21	0.16
Calcium, Total	---	81000 B	69000 B	67000 B	60000 B	76000 B	10000 B	79000 B	79000 B
Chromium, Total	21	16	18	17	16	15	22	19	20
Cobalt, Total	20	9.3	7.3	12	11	11	12	7.9	10
Copper, Total	2900	18	21	25	23	20	28	15	18
Cyanide, Total	0.2	---	---	---	---	---	---	---	---
Iron, Total	15000 / 15900	16000	15000	16000	17000	14000	20000	16000	17000
Lead, Total	107	10	12	52 J	20 J	11	45	12	10
Magnesium, Total	325000	33000	28000	29000	25000	32000	8000	29000	30000
Manganese, Total	630 / 636	360 B	260 B	350 B	340 B	350 B	440	300	420
Mercury, Total	0.89	0.02	0.027	0.022	0.029	0.019	0.051	0.032	0.026
Nickel, Total	100	25	26	26	28	27	29	27	29
Potassium, Total	---	2800	3300	2600	2600	2700	2300	3200	3000
Selenium, Total	1.3	ND	ND	0.45 J	0.53 J	0.6	0.52 J	ND	ND
Silver, Total	4.4	2.5	2.8	2.5	2.6	2	3.6 B	2.9 B	2.6 B
Sodium, Total	---	920	630	150	140	160	1300	1400	1400
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	21	23	21	21	18	29	21	23
Zinc, Total	5100	50	51	88	67	51	120	56	53

Summary Table of Canadian Pacific Railroad (ISGS Site No. 3079V-10)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CR-1	CR-1	CR-2	CR-2	CR-2	CR-3	CR-4	CR-4
Sample Date		1/28/2020	1/28/2020	1/28/2020	1/28/2020	1/28/2020	1/21/2020	1/21/2020	1/21/2020
Field Sample ID		CR-1(0-5)-012820	CR-1(5-9)-012820	CR-2(0-5)-012820	CR-2(0-5)-012820D	CR-2(5-9)-012820	CR-3(0-2)-012120	CR-4(0-5)-012120	CR-4(5-9)-012120D
ISGS Site No.		3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10
TCLP Metals (mg/l)									
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.3 J	0.31 J	0.45 J	0.44 J	0.55	0.27 J	0.32 J	0.23 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND	ND	0.0023 J	ND	0.0026 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	ND	ND	0.018 J	ND	0.02 J	0.05
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	0.69	0.93	0.045	0.07	1.8	0.51	4.9	6.6
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	0.012 J	0.01 J	0.037	ND	0.012 J	0.041
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	0.31 J	0.25 J	ND	ND	0.14 J
SPLP Metals (mg/l)									
Arsenic, SPLP	0.05	0.064	0.067	ND	ND	ND	0.05	0.071	0.062
Barium, SPLP	2	0.46 J	0.61	0.22 J	0.12 J	ND	0.61	0.52	0.48 J
Beryllium, SPLP	0.004	0.0077	0.01	ND	ND	ND	0.008	0.0087	0.0084
Cadmium, SPLP	0.005	ND	0.002 J	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.16	0.21	0.036	0.022 J	0.013 J	0.19	0.18	0.17
Cobalt, SPLP	1	0.048	0.063	ND	ND	ND	0.042	0.071	0.053
Copper, SPLP	0.65	0.22	0.3	0.04	0.023 J	0.01 J	0.17	0.24	0.21
Iron, SPLP	5	160	200	24	16	7.5	170	190	160
Lead, SPLP	0.0075	0.091	0.12	0.034	0.016	0.0081	0.2	0.12	0.083
Manganese, SPLP	0.15	0.8	1	0.13	0.084	0.066	0.88	1.7	1.3
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	0.00033	0.00041	0.00026
Nickel, SPLP	0.1	0.19	0.23	0.033	0.02 J	0.01 J	0.18	0.23	0.2
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	0.016 J	0.013 J
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.44 J	0.54 B	ND	ND	ND	0.73	0.52	0.4 J

Summary Table of Canadian Pacific Railroad (ISGS Site No. 3079V-10)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CR-4	CR-5	CR-5	CR-6	CR-6	CR-7	CR-8	CR-9
Sample Date		1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020
Field Sample ID		CR-4(5-9)-012120	CR-5(0-5)-012120	CR-5(5-9)-012120	CR-6(0-5)-012120	CR-6(5-9)-012120	CR-7(0-2)-012120	CR-8(0-2)-012120	CR-9(0-2)-012120
ISGS Site No.		3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10
Laboratory pH	<6.25, >9.0	8.5	8.5	8.1	9.0	8.6	8.2	7.7	8.4
VOCs		**No Exceedances**							
SVOCs (mg/kg)									
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	0.0073 J	ND	0.016 J	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	0.012 J	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	0.011 J	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	0.042	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	ND	0.032 J	ND	ND	ND	0.15	0.018 J	0.029 J
Benzo(a)pyrene	0.09 / 1.3 / 2.1	ND	0.042	ND	ND	ND	0.19	0.028 J	0.043
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	ND	0.058	ND	0.0092 J	ND	0.29	0.037 J	0.056
Benzo(g,h,i)perylene	---	ND	0.026 J	ND	ND	ND	0.073	0.017 J	0.018 J
Benzo(k)fluoranthene	9	ND	0.021 J	ND	ND	ND	0.097	ND	0.017 J
bis(2-Ethylhexyl)phthalate	46	ND	0.16 J	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	ND	0.038 J	ND	ND	ND	0.19	0.022 J	0.041
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	ND	ND	ND	0.019 J	ND	ND
Dibenzofuran	---	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	ND	0.062	ND	ND	ND	0.38	0.035 J	0.065
Fluorene	560	ND	ND	ND	ND	ND	0.014 J	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	0.027 J	ND	ND	ND	0.069	0.021 J	0.024 J
Naphthalene	1.8	ND	ND	ND	ND	ND	0.014 J	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	0.028 J	ND	0.0063 J	ND	0.23	0.016 J	0.026 J
Pyrene	2300	ND	0.047	ND	ND	ND	0.29	0.028 J	0.048
Pesticides (mg/kg)									
4,4-DDD	3	---	---	---	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---	---	---	---
PCBs (mg/kg)									
Aroclor-1248	1	---	---	---	---	---	---	---	---
Total Inorganics (mg/kg)									
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	0.37 J	0.33 J	ND	ND	ND	0.41 J	0.39 J	0.26 J
Arsenic, Total	11.3 / 13.0	5.1	5.3	5.2	6	6.6	6.6	7	6.9
Barium, Total	1500	34	70	21	54	62	64	67	65
Beryllium, Total	22	0.83	0.88	0.44	0.76	0.87	0.86	0.87 J	0.83
Cadmium, Total	5.2	0.21	0.17	0.15	0.16	0.21	0.66	0.19 J	0.31
Calcium, Total	---	67000 B	75000 B	75000 B	8600 B	32000 B	50000 B	20000 J	53000 B
Chromium, Total	21	20	21	11	18	20	19	20	19
Cobalt, Total	20	10	14	6.1	10	12	10	16	11
Copper, Total	2900	20	19	16	18	22	26	21	23
Cyanide, Total	0.2	---	---	---	---	---	---	---	---
Iron, Total	15000 / 15900	17000	17000	10000	16000	19000	17000	19000	18000
Lead, Total	107	14	12	8.3	14	15	260	24 J	27
Magnesium, Total	325000	30000	31000	29000	6400	20000	23000	15000 J	22000
Manganese, Total	630 / 636	360	380	270	210	620	500	670 J	450
Mercury, Total	0.89	0.024	0.046	0.021	0.041	0.046	0.055	0.082	0.025
Nickel, Total	100	29	33	18	27	31	26	33 J	29
Potassium, Total	---	3200	3700	1700	1800	2700	2000	2000 J	2900
Selenium, Total	1.3	ND	ND	0.35 J	0.37 J	0.54 J	0.5 J	0.54 J	0.36 J
Silver, Total	4.4	2.9 B	2.9 B	1.9 B	3.6 B	3.3 B	2.5 B	3.7 B	2.9 B
Sodium, Total	---	1400	1500	780	1400	1300	500	660 J	510
Thallium, Total	2.6	ND	0.29 J	ND	ND	0.31 J	ND	ND	ND
Vanadium, Total	550	24	26	14	28	30	22	28	27
Zinc, Total	5100	56	55	31	55	66	130	70 J	73

Summary Table of Canadian Pacific Railroad (ISGS Site No. 3079V-10)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CR-4	CR-5	CR-5	CR-6	CR-6	CR-7	CR-8	CR-9
Sample Date		1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020
Field Sample ID		CR-4(5-9)-012120	CR-5(0-5)-012120	CR-5(5-9)-012120	CR-6(0-5)-012120	CR-6(5-9)-012120	CR-7(0-2)-012120	CR-8(0-2)-012120	CR-9(0-2)-012120
ISGS Site No.		3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10	3079V-10
TCLP Metals (mg/l)									
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.25 J	0.31 J	0.3 J	0.52	0.58	0.39 J	0.2 J	0.42 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.0021 J	ND	ND	ND	0.002 J	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.048	ND	ND	0.012 J	0.013 J	ND	ND	ND
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	6.4	0.22	0.71	10	8.5	2.4	0.12	0.015 J
Mercury, TCLP	0.002	ND	ND	ND	0.0007	ND	ND	ND	ND
Nickel, TCLP	0.1	0.037	ND	ND	ND	0.016 J	ND	ND	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	ND	0.15 J	0.51 B	ND	ND
SPLP Metals (mg/l)									
Arsenic, SPLP	0.05	0.064	0.056	0.038 J	0.084	0.069	0.044 J	0.07	0.05
Barium, SPLP	2	0.44 J	0.44 J	0.29 J	0.66	0.54	0.36 J	0.6	0.41 J
Beryllium, SPLP	0.004	0.0079	0.007	0.0044	0.0095	0.0075	0.0054	0.0087	0.006
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.16	0.14	0.098	0.18	0.15	0.12	0.19	0.12 J
Cobalt, SPLP	1	0.051	0.047	0.026	0.091	0.068	0.025	0.043	0.03 J
Copper, SPLP	0.65	0.21	0.17	0.14	0.29	0.24	0.13	0.22	0.14 J
Iron, SPLP	5	160	140	91	200	150	110	200	120
Lead, SPLP	0.0075	0.082	0.089	0.05	0.19	0.11	0.094	0.086	0.073
Manganese, SPLP	0.15	1.2	0.75	0.43	2.4	1.8	0.57	0.9	0.49
Mercury, SPLP	0.002	0.00027	0.0003	ND	0.00049	0.00044	0.00023	ND	0.00033
Nickel, SPLP	0.1	0.19	0.18	0.1	0.26	0.2	0.11	0.23	0.12 J
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	0.013 J	ND	ND	0.02 J	0.013 J	ND	0.015 J	ND
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.45 J	0.4 J	0.25 J	0.63	0.43 J	0.34 J	0.57	0.39 J

Summary Table of Canadian Pacific Railroad (ISGS Site No. 3079V-10)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CR-10	CR-11	CR-11	CR-12	CR-13
Sample Date		1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020
Field Sample ID		CR-10(0-3)-012120	CR-11(0-4)-012120	CR-11(0-4)-012120D	CR-12(0-2)-012120	CR-13(0-2)-012120
ISGS Site No.		3079V-10	3079V-10	3079V-10	3079V-10	3079V-10
Laboratory pH	<6.25, >9.0	8.5	8.6	8.7	8.4	8.5
VOCs		**No Exceedances**				
SVOCs (mg/kg)						
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	0.015 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.013 J	0.025 J	ND	0.0068 J	0.066
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.023 J	0.043	ND	0.014 J	0.082
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.031 J	0.051	ND	0.017 J	0.15
Benzo(g,h,i)perylene	---	ND	0.024 J	ND	ND	0.032 J
Benzo(k)fluoranthene	9	ND	0.019 J	ND	ND	0.038 J
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND
Chrysene	88	0.016 J	0.033 J	ND	ND	0.082
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	ND	ND	0.008 J
Dibenzofuran	---	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND	ND
Fluoranthene	3100	0.027 J	0.057	ND	0.013 J	0.14
Fluorene	560	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.018 J	0.027 J	ND	0.012 J	0.032 J
Naphthalene	1.8	ND	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND
Phenanthrene	---	0.011 J	0.02 J	ND	0.0059 J	0.066
Pyrene	2300	0.021 J	0.047	ND	0.0097 J	0.1
Pesticides (mg/kg)						
4,4-DDD	3	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---
PCBs (mg/kg)						
Aroclor-1248	1	---	---	---	---	---
Total Inorganics (mg/kg)						
Aluminum, Total	---	ND	ND	ND	ND	ND
Antimony, Total	5	0.3 J	0.38 J	0.41 J	0.41 J	0.38 J
Arsenic, Total	11.3 / 13.0	4.1	4.5	3.2	6.3	7.2
Barium, Total	1500	52	54	54	49	55
Beryllium, Total	22	0.78	0.77	0.75	0.74	0.82
Cadmium, Total	5.2	0.22	0.2	0.19	0.22	0.27
Calcium, Total	---	66000 B	66000 B	66000 B	67000 B	54000 B
Chromium, Total	21	18	19	19	19	19
Cobalt, Total	20	8.8	9.3	7.4	8.8	12
Copper, Total	2900	21	16	13	24	23
Cyanide, Total	0.2	---	---	---	---	---
Iron, Total	15000 / 15900	15000	15000	14000	17000	19000
Lead, Total	107	12	13	10	20	32
Magnesium, Total	325000	28000	27000	28000	30000	25000
Manganese, Total	630 / 636	310	320	290	360	500
Mercury, Total	0.89	0.029	0.027	0.028	0.031	0.038
Nickel, Total	100	24	24	22	24	31
Potassium, Total	---	2800	3100	3100	2300	2600
Selenium, Total	1.3	ND	ND	0.34 J	ND	0.36 J
Silver, Total	4.4	3 B	3 B	3 B	2.6 B	2.9 B
Sodium, Total	---	580	620	590	420	460
Thallium, Total	2.6	ND	ND	ND	ND	ND
Vanadium, Total	550	23	24	22	23	26
Zinc, Total	5100	63	58	59	63	75

Summary Table of Canadian Pacific Railroad (ISGS Site No. 3079V-10)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CR-10	CR-11	CR-11	CR-12	CR-13
Sample Date		1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020
Field Sample ID		CR-10(0-3)-012120	CR-11(0-4)-012120	CR-11(0-4)-012120D	CR-12(0-2)-012120	CR-13(0-2)-012120
ISGS Site No.		3079V-10	3079V-10	3079V-10	3079V-10	3079V-10
TCLP Metals (mg/l)						
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND
Barium, TCLP	2	0.39 J	0.4 J	0.37 J	0.36 J	0.39 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND	0.0022 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	ND	ND	ND
Copper, TCLP	0.65	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	0.34 J
Lead, TCLP	0.0075	ND	ND	ND	ND	0.013
Manganese, TCLP	0.15	0.014 J	0.07 J	0.25 J	0.092	0.13
Mercury, TCLP	0.002	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	ND	ND	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.19 J	0.28 J	ND	ND	ND
SPLP Metals (mg/l)						
Arsenic, SPLP	0.05	0.053	0.057	0.068	0.055	0.054
Barium, SPLP	2	0.45 J	0.48 J	0.59	0.39 J	0.38 J
Beryllium, SPLP	0.004	0.0069	0.0069	0.009	0.0062	0.0058
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.14	0.14	0.18	0.13	0.13
Cobalt, SPLP	1	0.033	0.035	0.045	0.033	0.035
Copper, SPLP	0.65	0.16	0.18	0.22	0.17	0.17
Iron, SPLP	5	140	150	180	130	130
Lead, SPLP	0.0075	0.086	0.081	0.1	0.066	0.31
Manganese, SPLP	0.15	0.55	0.6	0.72	0.5	0.79
Mercury, SPLP	0.002	0.00028	0.00032	0.00037	0.00041	0.00027
Nickel, SPLP	0.1	0.13	0.14	0.18	0.13	0.13
Selenium, SPLP	0.05	ND	ND	ND	ND	ND
Silver, SPLP	0.05	0.01 J	0.011 J	0.014 J	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.44 J	0.45 J	0.73	0.52	0.61

Notes:

--- - not applicable or value not available.
Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.
ND - Constituent not detected above the reporting limit.
J - Estimated concentration.
Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

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ANALYTICAL REPORT

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

Laboratory Job ID: 500-176710-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
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Eric Lang, Manager of Project Management
(708)534-5200
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Richard Wright, Senior Project Manager
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LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: CR-8(0-2)-012120

Date Collected: 01/21/20 11:40
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-1

Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.64	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.61	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
1,1,2-Trichloroethane	<1.9		1.9	0.81	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
1,1-Dichloroethane	<1.9		1.9	0.65	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
1,1-Dichloroethene	<1.9		1.9	0.65	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
1,2-Dichloropropane	<1.9		1.9	0.49	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
1,3-Dichloropropene, Total	<1.9		1.9	0.67	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Acetone	<19		19	8.3	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Benzene	<1.9		1.9	0.48	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Bromodichloromethane	<1.9		1.9	0.39	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Bromoform	<1.9		1.9	0.55	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Carbon disulfide	<4.7		4.7	0.99	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Carbon tetrachloride	<1.9		1.9	0.55	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Chlorobenzene	<1.9		1.9	0.70	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Chloroethane	<4.7		4.7	1.4	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Chloroform	<1.9		1.9	0.66	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Chloromethane	<4.7		4.7	1.9	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
cis-1,2-Dichloroethene	<1.9		1.9	0.53	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
cis-1,3-Dichloropropene	<1.9		1.9	0.57	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Dibromochloromethane	<1.9		1.9	0.62	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Ethylbenzene	<1.9		1.9	0.91	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Methyl Ethyl Ketone	<4.7		4.7	2.1	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Methyl tert-butyl ether	<1.9		1.9	0.56	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Methylene Chloride	<4.7		4.7	1.9	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Styrene	<1.9		1.9	0.57	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Tetrachloroethene	<1.9		1.9	0.65	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Toluene	<1.9		1.9	0.48	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
trans-1,2-Dichloroethene	<1.9		1.9	0.84	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
trans-1,3-Dichloropropene	<1.9		1.9	0.67	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Trichloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Vinyl chloride	<1.9		1.9	0.84	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1
Xylenes, Total	<3.8		3.8	0.61	ug/Kg	☼	01/22/20 17:10	01/29/20 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/22/20 17:10*	*01/29/20 23:59*	*1*
4-Bromofluorobenzene (Surr)	*109*		*75 - 131*	*01/22/20 17:10*	*01/29/20 23:59*	*1*
Dibromofluoromethane	*90*		*75 - 126*	*01/22/20 17:10*	*01/29/20 23:59*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*01/22/20 17:10*	*01/29/20 23:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1

Client Sample ID: CR-8(0-2)-012120
Date Collected: 01/21/20 11:40
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-1
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	94	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2-Methylphenol	<210		210	66	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
4-Nitrophenol	<830	*	830	390	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Anthracene	<41		41	6.9	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Benzo[a]anthracene	**18**	**J**	41	5.5	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Benzo[a]pyrene	**28**	**J**	41	8.0	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Benzo[b]fluoranthene	**37**	**J**	41	8.9	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Benzo[g,h,i]perylene	**17**	**J**	41	13	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Carbazole	<210		210	100	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Chrysene	**22**	**J**	41	11	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Dibenzofuran	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Diethyl phthalate	<210	*	210	70	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Fluoranthene	**35**	**J**	41	7.6	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Fluorene	<41		41	5.8	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Hexachlorobenzene	<83		83	9.5	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Hexachloroethane	<210		210	63	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1

Client Sample ID: CR-8(0-2)-012120

Date Collected: 01/21/20 11:40
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-1

Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**21**	**J**	41	11	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Isophorone	<210		210	46	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Naphthalene	<41		41	6.3	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Nitrobenzene	<41	*	41	10	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
N-Nitrosodi-n-propylamine	<83		83	50	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Phenanthrene	**16**	**J**	41	5.7	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Phenol	<210		210	91	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1
Pyrene	**28**	**J**	41	8.2	ug/Kg	☼	01/28/20 16:08	01/29/20 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*109*		*31 - 143*	*01/28/20 16:08*	*01/29/20 20:02*	*1*
2-Fluorobiphenyl	*105*		*43 - 145*	*01/28/20 16:08*	*01/29/20 20:02*	*1*
2-Fluorophenol	*91*		*31 - 166*	*01/28/20 16:08*	*01/29/20 20:02*	*1*
Nitrobenzene-d5	*99*		*37 - 147*	*01/28/20 16:08*	*01/29/20 20:02*	*1*
Phenol-d5	*98*		*30 - 153*	*01/28/20 16:08*	*01/29/20 20:02*	*1*
Terphenyl-d14	*128*		*42 - 157*	*01/28/20 16:08*	*01/29/20 20:02*	*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		01/28/20 15:25	01/29/20 16:06	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 16:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 16:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 16:06	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:06	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:06	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:06	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 16:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 16:06	1
Manganese	**0.12**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:06	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:06	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 16:06	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:06	1
Zinc	**0.040**	**J B**	0.50	0.020	mg/L		01/28/20 15:25	01/29/20 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.070**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 00:13	1
Barium	**0.60**		0.50	0.050	mg/L		01/28/20 15:20	01/30/20 00:13	1
Beryllium	**0.0087**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 00:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 00:13	1
Chromium	**0.19**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:13	1
Cobalt	**0.043**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:13	1
Copper	**0.22**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:13	1
Iron	**200**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 00:13	1
Lead	**0.086**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 00:13	1
Manganese	**0.90**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:13	1
Nickel	**0.23**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:13	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 00:13	1

Client Sample ID: CR-8(0-2)-012120

Date Collected: 01/21/20 11:40
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-1

Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.015	J	0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:13	1
Zinc	0.57		0.50	0.020	mg/L		01/28/20 15:20	01/30/20 00:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.39	J F1	1.2	0.24	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Arsenic	7.0		0.62	0.21	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Barium	67		0.62	0.071	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Beryllium	0.87	F1	0.25	0.058	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Cadmium	0.19	F1	0.12	0.022	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Calcium	20000	F2 B	12	2.1	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Chromium	20		0.62	0.31	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Cobalt	16		0.31	0.081	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Copper	21		0.62	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Iron	19000		12	6.5	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Lead	24	F2 F1	0.31	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Magnesium	15000		6.2	3.1	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Manganese	670	F2	0.62	0.090	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Nickel	33	F1	0.62	0.18	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Potassium	2000	F1	31	11	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Selenium	0.54	J F2 F1	0.62	0.37	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Silver	3.7	B	0.31	0.080	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Sodium	660	F1	62	9.2	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Vanadium	28		0.31	0.073	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1
Zinc	70	F1	1.2	0.55	mg/Kg	☼	01/24/20 07:28	01/28/20 20:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 10:53	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		01/31/20 11:00	02/03/20 12:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	82		21	6.9	ug/Kg	☼	01/30/20 15:00	01/31/20 11:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			01/28/20 15:26	1

Client Sample ID: CR-7(0-2)-012120

Date Collected: 01/21/20 11:30
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-2

Matrix: Solid
Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Acetone	**14**	**J**	17	7.4	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Carbon disulfide	<4.2		4.2	0.88	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Chloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Ethylbenzene	<1.7		1.7	0.81	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
methyl isobutyl ketone	<4.2		4.2	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
trans-1,2-Dichloroethene	<1.7		1.7	0.75	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*01/22/20 17:10*	*01/30/20 00:24*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/22/20 17:10*	*01/30/20 00:24*	*1*
Dibromofluoromethane	*90*		*75 - 126*	*01/22/20 17:10*	*01/30/20 00:24*	*1*
Toluene-d8 (Surr)	*99*		*75 - 124*	*01/22/20 17:10*	*01/30/20 00:24*	*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	☼	01/28/20 16:08	01/30/20 01:46	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1

Client Sample ID: CR-7(0-2)-012120
Date Collected: 01/21/20 11:30
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-2
Matrix: Solid
Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	91	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2-Methylnaphthalene	**16**	**J**	80	7.3	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
4-Nitrophenol	<800	*	800	380	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Acenaphthene	**12**	**J**	39	7.1	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Acenaphthylene	**11**	**J**	39	5.2	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Anthracene	**42**		39	6.6	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Benzo[a]anthracene	**150**		39	5.3	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Benzo[a]pyrene	**190**		39	7.7	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Benzo[b]fluoranthene	**290**		39	8.6	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Benzo[g,h,i]perylene	**73**		39	13	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Benzo[k]fluoranthene	**97**		39	12	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Carbazole	<200		200	99	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Chrysene	**190**		39	11	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Dibenz(a,h)anthracene	**19**	**J**	39	7.7	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Diethyl phthalate	<200	*	200	67	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Fluoranthene	**380**		39	7.4	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Fluorene	**14**	**J**	39	5.6	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Hexachloroethane	<200		200	60	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CR-7(0-2)-012120
Date Collected: 01/21/20 11:30
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-2
Matrix: Solid
Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**69**		39	10	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Isophorone	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Naphthalene	**14**	**J**	39	6.1	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Nitrobenzene	<39	*	39	9.9	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
N-Nitrosodi-n-propylamine	<80		80	49	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Phenanthrene	**230**		39	5.5	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Phenol	<200		200	88	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1
Pyrene	**290**		39	7.9	ug/Kg	☼	01/28/20 16:08	01/30/20 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*31 - 143*	*01/28/20 16:08*	*01/30/20 01:46*	*1*
2-Fluorobiphenyl	*90*		*43 - 145*	*01/28/20 16:08*	*01/30/20 01:46*	*1*
2-Fluorophenol	*75*		*31 - 166*	*01/28/20 16:08*	*01/30/20 01:46*	*1*
Nitrobenzene-d5	*77*		*37 - 147*	*01/28/20 16:08*	*01/30/20 01:46*	*1*
Phenol-d5	*81*		*30 - 153*	*01/28/20 16:08*	*01/30/20 01:46*	*1*
Terphenyl-d14	*112*		*42 - 157*	*01/28/20 16:08*	*01/30/20 01:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 16:10	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 16:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 16:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 16:10	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:10	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:10	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:10	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 16:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 16:10	1
Manganese	**2.4**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:10	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:10	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 16:10	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:10	1
Zinc	**0.51**	**B**	0.50	0.020	mg/L		01/28/20 15:25	01/29/20 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.044**	**J**	0.050	0.010	mg/L		01/28/20 15:20	01/30/20 00:17	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 00:17	1
Beryllium	**0.0054**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 00:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 00:17	1
Chromium	**0.12**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:17	1
Cobalt	**0.025**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:17	1
Copper	**0.13**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:17	1
Iron	**110**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 00:17	1
Lead	**0.094**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 00:17	1
Manganese	**0.57**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:17	1
Nickel	**0.11**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:17	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 00:17	1

Client Sample ID: CR-7(0-2)-012120

Date Collected: 01/21/20 11:30
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-2

Matrix: Solid
Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:17	1
Zinc	**0.34**	**J**	0.50	0.020	mg/L		01/28/20 15:20	01/30/20 00:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.41**	**J**	1.2	0.23	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Arsenic	**6.6**		0.60	0.20	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Barium	**64**		0.60	0.068	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Beryllium	**0.86**		0.24	0.056	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Cadmium	**0.66**		0.12	0.021	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Calcium	**50000**	**B**	120	20	mg/Kg	☼	01/24/20 07:28	01/29/20 12:31	10
Chromium	**19**		0.60	0.30	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Cobalt	**10**		0.30	0.078	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Copper	**26**		0.60	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Iron	**17000**		12	6.2	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Lead	**260**		0.30	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Magnesium	**23000**		6.0	3.0	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Manganese	**500**		0.60	0.086	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Nickel	**26**		0.60	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Potassium	**2000**		30	11	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Selenium	**0.50**	**J**	0.60	0.35	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Silver	**2.5**	**B**	0.30	0.077	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Sodium	**500**		60	8.8	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Vanadium	**22**		0.30	0.070	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	1
Zinc	**130**		1.2	0.52	mg/Kg	☼	01/24/20 07:28	01/28/20 20:32	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		01/30/20 10:35	01/31/20 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 12:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**55**		20	6.6	ug/Kg	☼	01/30/20 15:00	01/31/20 11:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			01/28/20 15:29	1

Client Sample ID: CR-5(0-5)-012120

Date Collected: 01/21/20 10:45
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-3

Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Acetone	**23**		17	7.5	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1
Xylenes, Total	<3.5		3.5	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*	*01/22/20 17:10*	*01/30/20 00:49*	*1*
4-Bromofluorobenzene (Surr)	*110*		*75 - 131*	*01/22/20 17:10*	*01/30/20 00:49*	*1*
Dibromofluoromethane	*83*		*75 - 126*	*01/22/20 17:10*	*01/30/20 00:49*	*1*
Toluene-d8 (Surr)	*103*		*75 - 124*	*01/22/20 17:10*	*01/30/20 00:49*	*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	☼	01/28/20 16:08	01/29/20 20:26	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1

Client Sample ID: CR-5(0-5)-012120
Date Collected: 01/21/20 10:45
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-3
Matrix: Solid
Percent Solids: 82.1

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	☼	01/28/20 16:08	01/29/20 20:26	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
4-Nitrophenol	<810	*	810	380	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Anthracene	<40		40	6.7	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Benzo[a]anthracene	**32**	**J**	40	5.4	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Benzo[a]pyrene	**42**		40	7.8	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Benzo[b]fluoranthene	**58**		40	8.7	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Benzo[g,h,i]perylene	**26**	**J**	40	13	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Benzo[k]fluoranthene	**21**	**J**	40	12	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Bis(2-ethylhexyl) phthalate	**160**	**J**	200	73	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Carbazole	<200		200	100	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Chrysene	**38**	**J**	40	11	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Diethyl phthalate	<200	*	200	68	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Fluoranthene	**62**		40	7.4	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Fluorene	<40		40	5.6	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Hexachloroethane	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1

Client Sample ID: CR-5(0-5)-012120

Date Collected: 01/21/20 10:45
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-3

Matrix: Solid
Percent Solids: 82.1

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	**27**	**J**	40	10	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Isophorone	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Naphthalene	<40		40	6.2	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Nitrobenzene	<40	*	40	10	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Phenanthrene	**28**	**J**	40	5.6	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Phenol	<200		200	89	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1
Pyrene	**47**		40	8.0	ug/Kg	☼	01/28/20 16:08	01/29/20 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*31 - 143*	*01/28/20 16:08*	*01/29/20 20:26*	*1*
2-Fluorobiphenyl	*102*		*43 - 145*	*01/28/20 16:08*	*01/29/20 20:26*	*1*
2-Fluorophenol	*87*		*31 - 166*	*01/28/20 16:08*	*01/29/20 20:26*	*1*
Nitrobenzene-d5	*91*		*37 - 147*	*01/28/20 16:08*	*01/29/20 20:26*	*1*
Phenol-d5	*97*		*30 - 153*	*01/28/20 16:08*	*01/29/20 20:26*	*1*
Terphenyl-d14	*131*		*42 - 157*	*01/28/20 16:08*	*01/29/20 20:26*	*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		01/28/20 15:25	01/29/20 16:15	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 16:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 16:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 16:15	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:15	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:15	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:15	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 16:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 16:15	1
Manganese	**0.22**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:15	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:15	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 16:15	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:15	1
Zinc	<0.50		0.50	0.020	mg/L		01/28/20 15:25	01/29/20 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.056**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 00:21	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 00:21	1
Beryllium	**0.0070**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 00:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 00:21	1
Chromium	**0.14**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:21	1
Cobalt	**0.047**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:21	1
Copper	**0.17**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:21	1
Iron	**140**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 00:21	1
Lead	**0.089**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 00:21	1
Manganese	**0.75**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:21	1
Nickel	**0.18**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:21	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 00:21	1

Client Sample ID: CR-5(0-5)-012120

Date Collected: 01/21/20 10:45
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-3

Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:21	1
Zinc	**0.40**	**J**	0.50	0.020	mg/L		01/28/20 15:20	01/30/20 00:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.33**	**J**	1.2	0.23	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Arsenic	**5.3**		0.59	0.20	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Barium	**70**		0.59	0.067	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Beryllium	**0.88**		0.23	0.055	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Cadmium	**0.17**		0.12	0.021	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Calcium	**75000**	**B**	120	20	mg/Kg	☼	01/24/20 07:28	01/29/20 12:35	10
Chromium	**21**		0.59	0.29	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Cobalt	**14**		0.29	0.077	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Copper	**19**		0.59	0.16	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Iron	**17000**		12	6.1	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Lead	**12**		0.29	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Magnesium	**31000**		5.9	2.9	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Manganese	**380**		0.59	0.085	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Nickel	**33**		0.59	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Potassium	**3700**		29	10	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Silver	**2.9**	**B**	0.29	0.076	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Sodium	**1500**		59	8.7	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Thallium	**0.29**	**J**	0.59	0.29	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Vanadium	**26**		0.29	0.069	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1
Zinc	**55**		1.2	0.51	mg/Kg	☼	01/24/20 07:28	01/28/20 20:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.30**		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 12:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**46**		18	6.0	ug/Kg	☼	01/30/20 15:00	01/31/20 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			01/28/20 15:32	1

Client Sample ID: CR-5(5-9)-012120

Date Collected: 01/21/20 10:55
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-4

Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Acetone	**13**	**J**	17	7.2	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Bromoform	<1.7		1.7	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Bromomethane	<4.1		4.1	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Carbon disulfide	<4.1		4.1	0.86	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Chloroform	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Chloromethane	<4.1		4.1	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
cis-1,2-Dichloroethene	<1.7		1.7	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Ethylbenzene	<1.7		1.7	0.79	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Tetrachloroethene	<1.7		1.7	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
trans-1,2-Dichloroethene	<1.7		1.7	0.73	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Vinyl chloride	<1.7		1.7	0.73	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*01/22/20 17:10*	*01/30/20 01:14*	*1*
4-Bromofluorobenzene (Surr)	*104*		*75 - 131*	*01/22/20 17:10*	*01/30/20 01:14*	*1*
Dibromofluoromethane	*91*		*75 - 126*	*01/22/20 17:10*	*01/30/20 01:14*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*01/22/20 17:10*	*01/30/20 01:14*	*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	☼	01/28/20 16:08	01/29/20 20:51	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CR-5(5-9)-012120
Date Collected: 01/21/20 10:55
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-4
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	<380		380	87	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2-Methylphenol	<190		190	61	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
4-Nitrophenol	<770	*	770	360	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Anthracene	<38		38	6.4	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Carbazole	<190		190	95	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Chrysene	<38		38	10	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Dibenzofuran	<190		190	45	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Diethyl phthalate	<190	*	190	64	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Fluorene	<38		38	5.3	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Hexachloroethane	<190		190	58	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CR-5(5-9)-012120
Date Collected: 01/21/20 10:55
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-4
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	<38		38	9.9	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Isophorone	<190		190	43	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Naphthalene	<38		38	5.9	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Nitrobenzene	<38	*	38	9.5	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
N-Nitrosodi-n-propylamine	<77		77	46	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Phenol	<190		190	85	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1
Pyrene	<38		38	7.6	ug/Kg	☼	01/28/20 16:08	01/29/20 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*31 - 143*	*01/28/20 16:08*	*01/29/20 20:51*	*1*
2-Fluorobiphenyl	*114*		*43 - 145*	*01/28/20 16:08*	*01/29/20 20:51*	*1*
2-Fluorophenol	*92*		*31 - 166*	*01/28/20 16:08*	*01/29/20 20:51*	*1*
Nitrobenzene-d5	*98*		*37 - 147*	*01/28/20 16:08*	*01/29/20 20:51*	*1*
Phenol-d5	*103*		*30 - 153*	*01/28/20 16:08*	*01/29/20 20:51*	*1*
Terphenyl-d14	*140*		*42 - 157*	*01/28/20 16:08*	*01/29/20 20:51*	*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		01/28/20 15:25	01/29/20 16:19	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 16:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 16:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 16:19	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:19	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:19	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:19	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 16:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 16:19	1
Manganese	**0.71**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:19	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:19	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 16:19	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:19	1
Zinc	<0.50		0.50	0.020	mg/L		01/28/20 15:25	01/29/20 16:19	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		01/28/20 15:20	01/30/20 00:25	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 00:25	1
Beryllium	**0.0044**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 00:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 00:25	1
Chromium	**0.098**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:25	1
Cobalt	**0.026**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:25	1
Copper	**0.14**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:25	1
Iron	**91**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 00:25	1
Lead	**0.050**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 00:25	1
Manganese	**0.43**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:25	1
Nickel	**0.10**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:25	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 00:25	1

Client Sample ID: CR-5(5-9)-012120

Date Collected: 01/21/20 10:55
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-4

Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:25	1
Zinc	**0.25**	**J**	0.50	0.020	mg/L		01/28/20 15:20	01/30/20 00:25	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	☼	01/24/20 07:28	01/28/20 20:40	1
Arsenic	**5.2**		0.56	0.19	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Barium	**21**		0.56	0.064	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Beryllium	**0.44**		0.22	0.052	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Cadmium	**0.15**		0.11	0.020	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Calcium	**75000**	**B**	110	19	mg/Kg	☼	01/24/20 07:28	01/29/20 12:39	10
Chromium	**11**		0.56	0.28	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Cobalt	**6.1**		0.28	0.073	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Copper	**16**		0.56	0.16	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Iron	**10000**		11	5.8	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Lead	**8.3**		0.28	0.13	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Magnesium	**29000**		5.6	2.8	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Manganese	**270**		0.56	0.081	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Nickel	**18**		0.56	0.16	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Potassium	**1700**		28	9.9	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Selenium	**0.35**	**J**	0.56	0.33	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Silver	**1.9**	**B**	0.28	0.072	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Sodium	**780**		56	8.3	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Vanadium	**14**		0.28	0.066	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	1
Zinc	**31**		1.1	0.49	mg/Kg	☼	01/24/20 07:28	01/28/20 20:40	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		01/30/20 10:35	01/31/20 11:03	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		01/31/20 11:00	02/03/20 12:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		19	6.3	ug/Kg	☼	01/30/20 15:00	01/31/20 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			01/28/20 15:35	1

Client Sample ID: CR-6(0-5)-012120

Date Collected: 01/21/20 11:15
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-5

Matrix: Solid
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Acetone	**33**		17	7.5	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*01/22/20 17:10*	*01/30/20 01:40*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/22/20 17:10*	*01/30/20 01:40*	*1*
Dibromofluoromethane	*89*		*75 - 126*	*01/22/20 17:10*	*01/30/20 01:40*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*01/22/20 17:10*	*01/30/20 01:40*	*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	☼	01/28/20 16:08	01/29/20 21:15	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1

Client Sample ID: CR-6(0-5)-012120
Date Collected: 01/21/20 11:15
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-5
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	<390		390	89	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2-Methylnaphthalene	**7.3**	**J**	79	7.2	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2-Methylphenol	<200		200	63	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
4-Nitrophenol	<790	*	790	370	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Anthracene	<39		39	6.5	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Benzo[b]fluoranthene	**9.2**	**J**	39	8.4	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Carbazole	<200		200	98	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Chrysene	<39		39	11	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Diethyl phthalate	<200	*	200	66	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Fluorene	<39		39	5.5	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Hexachloroethane	<200		200	59	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1

Client Sample ID: CR-6(0-5)-012120

Date Collected: 01/21/20 11:15
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-5

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	<39		39	10	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Isophorone	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Naphthalene	<39		39	6.0	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Nitrobenzene	<39	*	39	9.8	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Phenanthrene	**6.3**	**J**	39	5.5	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Phenol	<200		200	87	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1
Pyrene	<39		39	7.8	ug/Kg	☼	01/28/20 16:08	01/29/20 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*31 - 143*	*01/28/20 16:08*	*01/29/20 21:15*	*1*
2-Fluorobiphenyl	*82*		*43 - 145*	*01/28/20 16:08*	*01/29/20 21:15*	*1*
2-Fluorophenol	*74*		*31 - 166*	*01/28/20 16:08*	*01/29/20 21:15*	*1*
Nitrobenzene-d5	*74*		*37 - 147*	*01/28/20 16:08*	*01/29/20 21:15*	*1*
Phenol-d5	*82*		*30 - 153*	*01/28/20 16:08*	*01/29/20 21:15*	*1*
Terphenyl-d14	*114*		*42 - 157*	*01/28/20 16:08*	*01/29/20 21:15*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 16:24	1
Barium	**0.52**		0.50	0.050	mg/L		01/28/20 15:25	01/29/20 16:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 16:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 16:24	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:24	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:24	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:24	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 16:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 16:24	1
Manganese	**10**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:24	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:24	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 16:24	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:24	1
Zinc	<0.50		0.50	0.020	mg/L		01/28/20 15:25	01/29/20 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.084**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 00:29	1
Barium	**0.66**		0.50	0.050	mg/L		01/28/20 15:20	01/30/20 00:29	1
Beryllium	**0.0095**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 00:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 00:29	1
Chromium	**0.18**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:29	1
Cobalt	**0.091**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:29	1
Copper	**0.29**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:29	1
Iron	**200**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 00:29	1
Lead	**0.19**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 00:29	1
Manganese	**2.4**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:29	1
Nickel	**0.26**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:29	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 00:29	1

Client Sample ID: CR-6(0-5)-012120

Date Collected: 01/21/20 11:15
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-5

Matrix: Solid
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.020	J	0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:29	1
Zinc	0.63		0.50	0.020	mg/L		01/28/20 15:20	01/30/20 00:29	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	☼	01/24/20 07:28	01/28/20 20:44	1
Arsenic	6.0		0.59	0.20	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Barium	54		0.59	0.067	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Beryllium	0.76		0.23	0.055	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Cadmium	0.16		0.12	0.021	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Calcium	8600	B	12	2.0	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Chromium	18		0.59	0.29	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Cobalt	10		0.29	0.077	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Copper	18		0.59	0.16	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Iron	16000		12	6.1	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Lead	14		0.29	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Magnesium	6400		5.9	2.9	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Manganese	210		0.59	0.085	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Nickel	27		0.59	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Potassium	1800		29	10	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Selenium	0.37	J	0.59	0.34	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Silver	3.6	B	0.29	0.076	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Sodium	1400		59	8.7	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Vanadium	28		0.29	0.069	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1
Zinc	55		1.2	0.51	mg/Kg	☼	01/24/20 07:28	01/28/20 20:44	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.70		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.49		0.33	0.33	ug/L		01/31/20 11:00	02/03/20 12:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	41		20	6.5	ug/Kg	☼	01/30/20 15:00	01/31/20 11:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.0		0.2	0.2	SU			01/28/20 15:42	1

Client Sample ID: CR-6(5-9)-012120

Date Collected: 01/21/20 11:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-6

Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
1,2-Dichloroethane	<4.0		4.0	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Acetone	**29**		16	7.0	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Carbon disulfide	<4.0		4.0	0.84	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Ethylbenzene	<1.6		1.6	0.77	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1
Xylenes, Total	<3.2		3.2	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*01/22/20 17:10*	*01/30/20 02:05*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/22/20 17:10*	*01/30/20 02:05*	*1*
Dibromofluoromethane	*91*		*75 - 126*	*01/22/20 17:10*	*01/30/20 02:05*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*01/22/20 17:10*	*01/30/20 02:05*	*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	☼	01/28/20 16:08	01/29/20 21:40	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CR-6(5-9)-012120
Date Collected: 01/21/20 11:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-6
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2-Methylphenol	<200		200	63	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
4-Nitrophenol	<790	*	790	370	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Anthracene	<39		39	6.5	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Carbazole	<200		200	98	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Chrysene	<39		39	11	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Diethyl phthalate	<200	*	200	66	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Fluorene	<39		39	5.5	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Hexachloroethane	<200		200	59	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CR-6(5-9)-012120
Date Collected: 01/21/20 11:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-6
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Isophorone	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Naphthalene	<39		39	6.0	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Nitrobenzene	<39	*	39	9.8	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Phenol	<200		200	87	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1
Pyrene	<39		39	7.8	ug/Kg	☼	01/28/20 16:08	01/29/20 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*31 - 143*	*01/28/20 16:08*	*01/29/20 21:40*	*1*
2-Fluorobiphenyl	*98*		*43 - 145*	*01/28/20 16:08*	*01/29/20 21:40*	*1*
2-Fluorophenol	*88*		*31 - 166*	*01/28/20 16:08*	*01/29/20 21:40*	*1*
Nitrobenzene-d5	*95*		*37 - 147*	*01/28/20 16:08*	*01/29/20 21:40*	*1*
Phenol-d5	*97*		*30 - 153*	*01/28/20 16:08*	*01/29/20 21:40*	*1*
Terphenyl-d14	*134*		*42 - 157*	*01/28/20 16:08*	*01/29/20 21:40*	*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		01/28/20 15:25	01/29/20 16:28	1
Barium	**0.58**		0.50	0.050	mg/L		01/28/20 15:25	01/29/20 16:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 16:28	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 16:28	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:28	1
Cobalt	**0.013**	**J**	0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:28	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:28	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 16:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 16:28	1
Manganese	**8.5**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:28	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:28	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 16:28	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:28	1
Zinc	**0.15**	**J B**	0.50	0.020	mg/L		01/28/20 15:25	01/29/20 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.069**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 00:32	1
Barium	**0.54**		0.50	0.050	mg/L		01/28/20 15:20	01/30/20 00:32	1
Beryllium	**0.0075**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 00:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 00:32	1
Chromium	**0.15**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:32	1
Cobalt	**0.068**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:32	1
Copper	**0.24**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:32	1
Iron	**150**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 00:32	1
Lead	**0.11**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 00:32	1
Manganese	**1.8**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:32	1
Nickel	**0.20**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:32	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 00:32	1

Client Sample ID: CR-6(5-9)-012120

Date Collected: 01/21/20 11:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-6

Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.013	J	0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:32	1
Zinc	0.43	J	0.50	0.020	mg/L		01/28/20 15:20	01/30/20 00:32	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	☼	01/24/20 07:28	01/28/20 20:56	1
Arsenic	6.6		0.60	0.21	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Barium	62		0.60	0.069	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Beryllium	0.87		0.24	0.056	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Cadmium	0.21		0.12	0.022	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Calcium	32000	B	12	2.1	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Chromium	20		0.60	0.30	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Cobalt	12		0.30	0.079	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Copper	22		0.60	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Iron	19000		12	6.3	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Lead	15		0.30	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Magnesium	20000		6.0	3.0	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Manganese	620		0.60	0.088	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Nickel	31		0.60	0.18	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Potassium	2700		30	11	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Selenium	0.54	J	0.60	0.36	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Silver	3.3	B	0.30	0.078	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Sodium	1300		60	9.0	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Thallium	0.31	J	0.60	0.30	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Vanadium	30		0.30	0.071	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1
Zinc	66		1.2	0.53	mg/Kg	☼	01/24/20 07:28	01/28/20 20:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 11:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.44		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 12:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	46		19	6.4	ug/Kg	☼	01/30/20 15:00	01/31/20 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			01/28/20 15:45	1

Client Sample ID: CR-3(0-2)-012120

Date Collected: 01/21/20 09:40
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-7

Matrix: Solid
Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0	0.68	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
1,1,2-Trichloroethane	<2.0		2.0	0.87	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
1,1-Dichloroethane	<2.0		2.0	0.69	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
1,1-Dichloroethene	<2.0		2.0	0.70	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
1,2-Dichloroethane	<5.1		5.1	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
1,2-Dichloropropane	<2.0		2.0	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
1,3-Dichloropropene, Total	<2.0		2.0	0.71	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
2-Hexanone	<5.1		5.1	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Acetone	<20		20	8.8	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Benzene	<2.0		2.0	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Bromodichloromethane	<2.0		2.0	0.41	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Bromoform	<2.0		2.0	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Bromomethane	<5.1		5.1	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Carbon disulfide	<5.1		5.1	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Carbon tetrachloride	<2.0		2.0	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Chlorobenzene	<2.0		2.0	0.75	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Chloroethane	<5.1		5.1	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Chloroform	<2.0		2.0	0.70	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Chloromethane	<5.1		5.1	2.0	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
cis-1,2-Dichloroethene	<2.0		2.0	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
cis-1,3-Dichloropropene	<2.0		2.0	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Dibromochloromethane	<2.0		2.0	0.66	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Ethylbenzene	<2.0		2.0	0.97	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Methyl Ethyl Ketone	<5.1		5.1	2.2	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
methyl isobutyl ketone	<5.1		5.1	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Methyl tert-butyl ether	<2.0		2.0	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Methylene Chloride	<5.1		5.1	2.0	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Styrene	<2.0		2.0	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Tetrachloroethene	<2.0		2.0	0.69	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Toluene	<2.0		2.0	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
trans-1,2-Dichloroethene	<2.0		2.0	0.90	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
trans-1,3-Dichloropropene	<2.0		2.0	0.71	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Trichloroethene	<2.0		2.0	0.68	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Vinyl chloride	<2.0		2.0	0.90	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1
Xylenes, Total	<4.1		4.1	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/22/20 17:10*	*01/30/20 02:31*	*1*
4-Bromofluorobenzene (Surr)	*109*		*75 - 131*	*01/22/20 17:10*	*01/30/20 02:31*	*1*
Dibromofluoromethane	*91*		*75 - 126*	*01/22/20 17:10*	*01/30/20 02:31*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*01/22/20 17:10*	*01/30/20 02:31*	*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	43	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1

Client Sample ID: CR-3(0-2)-012120
Date Collected: 01/21/20 09:40
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-7
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	<400		400	92	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2-Methylnaphthalene	**25**	**J**	81	7.4	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2-Methylphenol	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
4-Nitrophenol	<810	*	810	380	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Acenaphthene	**42**		40	7.2	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Acenaphthylene	**46**		40	5.3	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Anthracene	**63**		40	6.7	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Benzo[a]anthracene	**120**		40	5.4	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Benzo[a]pyrene	**200**		40	7.8	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Benzo[b]fluoranthene	**340**		40	8.7	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Benzo[g,h,i]perylene	**92**		40	13	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Benzo[k]fluoranthene	**110**		40	12	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Bis(2-ethylhexyl) phthalate	**120**	**J**	200	74	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Carbazole	<200		200	100	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Chrysene	**190**		40	11	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Dibenz(a,h)anthracene	**26**	**J**	40	7.8	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Dibenzofuran	**74**	**J**	200	47	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Diethyl phthalate	<200	*	200	68	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Fluoranthene	**280**		40	7.5	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Fluorene	**16**	**J**	40	5.7	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Hexachloroethane	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1

Client Sample ID: CR-3(0-2)-012120
Date Collected: 01/21/20 09:40
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-7
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	**82**		40	10	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Isophorone	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Naphthalene	**41**		40	6.2	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Nitrobenzene	<40	*	40	10	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Phenanthrene	**110**		40	5.6	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Phenol	<200		200	89	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1
Pyrene	**170**		40	8.0	ug/Kg	☼	01/28/20 16:08	01/31/20 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*31 - 143*	*01/28/20 16:08*	*01/31/20 04:26*	*1*
2-Fluorobiphenyl	*79*		*43 - 145*	*01/28/20 16:08*	*01/31/20 04:26*	*1*
2-Fluorophenol	*84*		*31 - 166*	*01/28/20 16:08*	*01/31/20 04:26*	*1*
Nitrobenzene-d5	*78*		*37 - 147*	*01/28/20 16:08*	*01/31/20 04:26*	*1*
Phenol-d5	*68*		*30 - 153*	*01/28/20 16:08*	*01/31/20 04:26*	*1*
Terphenyl-d14	*94*		*42 - 157*	*01/28/20 16:08*	*01/31/20 04:26*	*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		01/28/20 15:25	01/29/20 16:33	1
Barium	**0.27**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 16:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 16:33	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 16:33	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:33	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:33	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:33	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 16:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 16:33	1
Manganese	**0.51**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:33	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:33	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 16:33	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:33	1
Zinc	**0.042**	**J B**	0.50	0.020	mg/L		01/28/20 15:25	01/29/20 16:33	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		01/28/20 15:20	01/30/20 00:36	1
Barium	**0.61**		0.50	0.050	mg/L		01/28/20 15:20	01/30/20 00:36	1
Beryllium	**0.0080**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 00:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 00:36	1
Chromium	**0.19**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:36	1
Cobalt	**0.042**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:36	1
Copper	**0.17**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:36	1
Iron	**170**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 00:36	1
Lead	**0.20**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 00:36	1
Manganese	**0.88**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:36	1
Nickel	**0.18**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:36	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 00:36	1

Client Sample ID: CR-3(0-2)-012120

Date Collected: 01/21/20 09:40
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-7

Matrix: Solid
Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:36	1
Zinc	**0.73**		0.50	0.020	mg/L		01/28/20 15:20	01/30/20 00:36	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	☼	01/24/20 07:28	01/28/20 21:00	1
Arsenic	**6.1**		0.62	0.21	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Barium	**74**		0.62	0.071	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Beryllium	**0.94**		0.25	0.058	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Cadmium	**1.1**		0.12	0.022	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Calcium	**10000**	**B**	12	2.1	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Chromium	**22**		0.62	0.31	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Cobalt	**12**		0.31	0.081	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Copper	**28**		0.62	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Iron	**20000**		12	6.4	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Lead	**45**		0.31	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Magnesium	**8000**		6.2	3.1	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Manganese	**440**		0.62	0.090	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Nickel	**29**		0.62	0.18	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Potassium	**2300**		31	11	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Selenium	**0.52**	**J**	0.62	0.36	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Silver	**3.6**	**B**	0.31	0.080	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Sodium	**1300**		62	9.2	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Vanadium	**29**		0.31	0.073	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	1
Zinc	**120**		1.2	0.54	mg/Kg	☼	01/24/20 07:28	01/28/20 21:00	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		01/30/20 10:35	01/31/20 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 12:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**51**		20	6.7	ug/Kg	☼	01/30/20 15:00	01/31/20 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			01/28/20 15:48	1

Client Sample ID: CR-4(0-5)-012120

Date Collected: 01/21/20 10:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-8

Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Acetone	**14**	**J**	17	7.4	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Carbon disulfide	<4.2		4.2	0.88	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Chloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Ethylbenzene	<1.7		1.7	0.81	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
methyl isobutyl ketone	<4.2		4.2	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
trans-1,2-Dichloroethene	<1.7		1.7	0.75	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*	*01/22/20 17:10*	*01/30/20 02:56*	*1*
4-Bromofluorobenzene (Surr)	*107*		*75 - 131*	*01/22/20 17:10*	*01/30/20 02:56*	*1*
Dibromofluoromethane	*90*		*75 - 126*	*01/22/20 17:10*	*01/30/20 02:56*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*01/22/20 17:10*	*01/30/20 02:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CR-4(0-5)-012120
Date Collected: 01/21/20 10:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-8
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2-Methylnaphthalene	**17**	**J**	81	7.4	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
4-Nitrophenol	<810	*	810	380	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Anthracene	<40		40	6.7	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Benzo[a]anthracene	**6.7**	**J**	40	5.4	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Benzo[a]pyrene	**11**	**J**	40	7.8	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Benzo[b]fluoranthene	**15**	**J**	40	8.7	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Carbazole	<200		200	100	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Chrysene	**11**	**J**	40	11	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Diethyl phthalate	<200	*	200	68	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Fluoranthene	**11**	**J**	40	7.4	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Fluorene	<40		40	5.6	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Hexachloroethane	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1

Client Sample ID: CR-4(0-5)-012120

Date Collected: 01/21/20 10:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-8

Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Isophorone	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Naphthalene	<40		40	6.2	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Nitrobenzene	<40	*	40	10	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Phenanthrene	**15**	**J**	40	5.6	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Phenol	<200		200	89	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1
Pyrene	**10**	**J**	40	8.0	ug/Kg	☼	01/28/20 16:08	01/30/20 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*31 - 143*	*01/28/20 16:08*	*01/30/20 02:11*	*1*
2-Fluorobiphenyl	*95*		*43 - 145*	*01/28/20 16:08*	*01/30/20 02:11*	*1*
2-Fluorophenol	*88*		*31 - 166*	*01/28/20 16:08*	*01/30/20 02:11*	*1*
Nitrobenzene-d5	*84*		*37 - 147*	*01/28/20 16:08*	*01/30/20 02:11*	*1*
Phenol-d5	*93*		*30 - 153*	*01/28/20 16:08*	*01/30/20 02:11*	*1*
Terphenyl-d14	*129*		*42 - 157*	*01/28/20 16:08*	*01/30/20 02:11*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 16:37	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 16:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 16:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 16:37	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:37	1
Cobalt	**0.020**	**J**	0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:37	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:37	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 16:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 16:37	1
Manganese	**4.9**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:37	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:37	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 16:37	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:37	1
Zinc	<0.50		0.50	0.020	mg/L		01/28/20 15:25	01/29/20 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.071**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 00:40	1
Barium	**0.52**		0.50	0.050	mg/L		01/28/20 15:20	01/30/20 00:40	1
Beryllium	**0.0087**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 00:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 00:40	1
Chromium	**0.18**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:40	1
Cobalt	**0.071**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:40	1
Copper	**0.24**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:40	1
Iron	**190**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 00:40	1
Lead	**0.12**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 00:40	1
Manganese	**1.7**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:40	1
Nickel	**0.23**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:40	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 00:40	1

Client Sample ID: CR-4(0-5)-012120

Date Collected: 01/21/20 10:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-8

Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.016	J	0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:40	1
Zinc	0.52		0.50	0.020	mg/L		01/28/20 15:20	01/30/20 00:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.1	0.22	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Arsenic	4.4		0.57	0.20	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Barium	40		0.57	0.065	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Beryllium	0.79		0.23	0.053	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Cadmium	0.21		0.11	0.021	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Calcium	79000	B	110	19	mg/Kg	☼	01/24/20 07:28	01/29/20 12:44	10
Chromium	19		0.57	0.28	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Cobalt	7.9		0.29	0.075	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Copper	15		0.57	0.16	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Iron	16000		11	5.9	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Lead	12		0.29	0.13	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Magnesium	29000		5.7	2.8	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Manganese	300		0.57	0.083	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Nickel	27		0.57	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Potassium	3200		29	10	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Silver	2.9	B	0.29	0.074	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Sodium	1400		57	8.4	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Vanadium	21		0.29	0.067	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	1
Zinc	56		1.1	0.50	mg/Kg	☼	01/24/20 07:28	01/28/20 21:04	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		01/30/20 10:35	01/31/20 11:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.41		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 12:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	32		17	5.8	ug/Kg	☼	01/30/20 15:00	01/31/20 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			01/28/20 15:51	1

Client Sample ID: CR-4(5-9)-012120

Date Collected: 01/21/20 10:30
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-9

Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
1,1,2-Trichloroethane	<1.7		1.7	0.75	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
1,1-Dichloroethane	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Acetone	<17		17	7.6	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Bromomethane	<4.4		4.4	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Chloromethane	<4.4		4.4	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
cis-1,2-Dichloroethene	<1.7		1.7	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Methyl Ethyl Ketone	<4.4		4.4	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Styrene	<1.7		1.7	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*01/22/20 17:10*	*01/30/20 03:21*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/22/20 17:10*	*01/30/20 03:21*	*1*
Dibromofluoromethane	*90*		*75 - 126*	*01/22/20 17:10*	*01/30/20 03:21*	*1*
Toluene-d8 (Surr)	*102*		*75 - 124*	*01/22/20 17:10*	*01/30/20 03:21*	*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	☼	01/28/20 16:08	01/29/20 22:04	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1

Client Sample ID: CR-4(5-9)-012120
Lab Sample ID: 500-176710-9
Date Collected: 01/21/20 10:30
Matrix: Solid
Date Received: 01/22/20 14:15
Percent Solids: 84.8

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	☼	01/28/20 16:08	01/29/20 22:04	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2-Methylphenol	<200		200	63	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
4-Nitrophenol	<790	*	790	370	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Anthracene	<39		39	6.5	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Carbazole	<200		200	97	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Chrysene	<39		39	11	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Diethyl phthalate	<200	*	200	66	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Fluorene	<39		39	5.5	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Hexachloroethane	<200		200	59	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1

Client Sample ID: CR-4(5-9)-012120

Date Collected: 01/21/20 10:30
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-9

Matrix: Solid
Percent Solids: 84.8

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	☼	01/28/20 16:08	01/29/20 22:04	1
Isophorone	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Naphthalene	<39		39	6.0	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Nitrobenzene	<39	*	39	9.7	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Phenol	<200		200	87	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1
Pyrene	<39		39	7.7	ug/Kg	☼	01/28/20 16:08	01/29/20 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*31 - 143*	*01/28/20 16:08*	*01/29/20 22:04*	*1*
2-Fluorobiphenyl	*97*		*43 - 145*	*01/28/20 16:08*	*01/29/20 22:04*	*1*
2-Fluorophenol	*93*		*31 - 166*	*01/28/20 16:08*	*01/29/20 22:04*	*1*
Nitrobenzene-d5	*91*		*37 - 147*	*01/28/20 16:08*	*01/29/20 22:04*	*1*
Phenol-d5	*100*		*30 - 153*	*01/28/20 16:08*	*01/29/20 22:04*	*1*
Terphenyl-d14	*132*		*42 - 157*	*01/28/20 16:08*	*01/29/20 22:04*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 18:03	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 18:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 18:03	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 18:03	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:03	1
Cobalt	**0.048**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:03	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:03	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 18:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/30/20 12:00	1
Manganese	**6.4**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:03	1
Nickel	**0.037**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:03	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 18:03	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:03	1
Zinc	<0.50		0.50	0.020	mg/L		01/28/20 15:25	01/29/20 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.064**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 00:53	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 00:53	1
Beryllium	**0.0079**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 00:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 00:53	1
Chromium	**0.16**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:53	1
Cobalt	**0.051**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:53	1
Copper	**0.21**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:53	1
Iron	**160**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 00:53	1
Lead	**0.082**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 00:53	1
Manganese	**1.2**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:53	1
Nickel	**0.19**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:53	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 00:53	1

Client Sample ID: CR-4(5-9)-012120

Date Collected: 01/21/20 10:30
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-9

Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.013	J	0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:53	1
Zinc	0.45	J	0.50	0.020	mg/L		01/28/20 15:20	01/30/20 00:53	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	☼	01/24/20 07:28	01/28/20 21:08	1
Arsenic	5.1		0.58	0.20	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Barium	34		0.58	0.066	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Beryllium	0.83		0.23	0.054	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Cadmium	0.21		0.12	0.021	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Calcium	67000	B	120	20	mg/Kg	☼	01/24/20 07:28	01/29/20 12:48	10
Chromium	20		0.58	0.29	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Cobalt	10		0.29	0.076	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Copper	20		0.58	0.16	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Iron	17000		12	6.1	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Lead	14		0.29	0.13	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Magnesium	30000		5.8	2.9	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Manganese	360		0.58	0.084	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Nickel	29		0.58	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Potassium	3200		29	10	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Silver	2.9	B	0.29	0.075	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Sodium	1400		58	8.6	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Vanadium	24		0.29	0.069	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1
Zinc	56		1.2	0.51	mg/Kg	☼	01/24/20 07:28	01/28/20 21:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 11:36	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		01/31/20 11:00	02/03/20 12:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		18	6.1	ug/Kg	☼	01/30/20 15:00	01/31/20 11:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			01/28/20 15:54	1

Client Sample ID: CR-4(5-9)-012120D

Date Collected: 01/21/20 10:30
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-10

Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Acetone	<15		15	6.6	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*	*01/22/20 17:10*	*01/30/20 03:46*	*1*
4-Bromofluorobenzene (Surr)	*106*		*75 - 131*	*01/22/20 17:10*	*01/30/20 03:46*	*1*
Dibromofluoromethane	*93*		*75 - 126*	*01/22/20 17:10*	*01/30/20 03:46*	*1*
Toluene-d8 (Surr)	*99*		*75 - 124*	*01/22/20 17:10*	*01/30/20 03:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1

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Lab Sample ID: 500-176710-10
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2-Methylphenol	<190		190	62	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
4-Nitrophenol	<780	*	780	370	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Anthracene	<38		38	6.5	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Carbazole	<190		190	97	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Chrysene	<38		38	11	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Dibenzofuran	<190		190	45	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Diethyl phthalate	<190	*	190	66	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Fluorene	<38		38	5.4	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Hexachloroethane	<190		190	59	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1

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Lab Sample ID: 500-176710-10

Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Isophorone	<190		190	43	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Naphthalene	<38		38	5.9	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Nitrobenzene	<38	*	38	9.6	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Phenol	<190		190	86	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1
Pyrene	<38		38	7.7	ug/Kg	☼	01/28/20 16:08	01/29/20 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*31 - 143*	*01/28/20 16:08*	*01/29/20 22:29*	*1*
2-Fluorobiphenyl	*92*		*43 - 145*	*01/28/20 16:08*	*01/29/20 22:29*	*1*
2-Fluorophenol	*90*		*31 - 166*	*01/28/20 16:08*	*01/29/20 22:29*	*1*
Nitrobenzene-d5	*87*		*37 - 147*	*01/28/20 16:08*	*01/29/20 22:29*	*1*
Phenol-d5	*94*		*30 - 153*	*01/28/20 16:08*	*01/29/20 22:29*	*1*
Terphenyl-d14	*127*		*42 - 157*	*01/28/20 16:08*	*01/29/20 22:29*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 18:08	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 18:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 18:08	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 18:08	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:08	1
Cobalt	**0.050**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:08	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:08	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 18:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/30/20 12:04	1
Manganese	**6.6**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:08	1
Nickel	**0.041**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:08	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 18:08	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 18:08	1
Zinc	**0.14**	**J**	0.50	0.020	mg/L		01/28/20 15:25	01/29/20 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.062**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 00:57	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 00:57	1
Beryllium	**0.0084**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 00:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 00:57	1
Chromium	**0.17**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:57	1
Cobalt	**0.053**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:57	1
Copper	**0.21**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:57	1
Iron	**160**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 00:57	1
Lead	**0.083**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 00:57	1
Manganese	**1.3**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:57	1
Nickel	**0.20**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:57	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 00:57	1

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Lab Sample ID: 500-176710-10

Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.013	J	0.025	0.010	mg/L		01/28/20 15:20	01/30/20 00:57	1
Zinc	0.40	J	0.50	0.020	mg/L		01/28/20 15:20	01/30/20 00:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.35	J	1.1	0.21	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Arsenic	5.4		0.55	0.19	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Barium	47		0.55	0.062	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Beryllium	0.81		0.22	0.051	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Cadmium	0.16		0.11	0.020	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Calcium	79000	B	110	18	mg/Kg	☼	01/24/20 07:28	01/29/20 13:01	10
Chromium	20		0.55	0.27	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Cobalt	10		0.27	0.071	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Copper	18		0.55	0.15	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Iron	17000		11	5.7	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Lead	10		0.27	0.13	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Magnesium	30000		5.5	2.7	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Manganese	420		0.55	0.079	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Nickel	29		0.55	0.16	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Potassium	3000		27	9.6	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Silver	2.6	B	0.27	0.070	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Sodium	1400		55	8.1	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Vanadium	23		0.27	0.064	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	1
Zinc	53		1.1	0.48	mg/Kg	☼	01/24/20 07:28	01/28/20 21:12	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		01/30/20 10:35	01/31/20 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 12:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		19	6.3	ug/Kg	☼	01/30/20 15:00	01/31/20 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			01/28/20 15:58	1

Client Sample ID: CR-13(0-2)-012120
Lab Sample ID: 500-176710-14

Date Collected: 01/21/20 12:30
Matrix: Solid

Date Received: 01/22/20 14:15
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
1,1,2,2-Tetrachloroethane	<1.5	*	1.5	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Acetone	**130**		15	6.7	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Bromomethane	<3.8		3.8	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Carbon disulfide	<3.8		3.8	0.80	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Toluene	**1.9**		1.5	0.39	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Trichloroethene	**0.71**	**J**	1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1
Xylenes, Total	**1.3**	**J**	3.1	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*01/22/20 17:10*	*01/30/20 05:28*	*1*
4-Bromofluorobenzene (Surr)	*126*	*	*75 - 131*	*01/22/20 17:10*	*01/30/20 05:28*	*1*
Dibromofluoromethane	*95*		*75 - 126*	*01/22/20 17:10*	*01/30/20 05:28*	*1*
Toluene-d8 (Surr)	*117*		*75 - 124*	*01/22/20 17:10*	*01/30/20 05:28*	*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	☼	01/28/20 16:08	01/30/20 03:00	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1

Client Sample ID: CR-13(0-2)-012120
Date Collected: 01/21/20 12:30
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-14
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2-Methylphenol	<200		200	63	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
4-Nitrophenol	<800	*	800	380	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Anthracene	**15**	**J**	39	6.6	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Benzo[a]anthracene	**66**		39	5.3	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Benzo[a]pyrene	**82**		39	7.7	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Benzo[b]fluoranthene	**150**		39	8.5	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Benzo[g,h,i]perylene	**32**	**J**	39	13	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Benzo[k]fluoranthene	**38**	**J**	39	12	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Carbazole	<200		200	99	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Chrysene	**82**		39	11	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Dibenz(a,h)anthracene	**8.0**	**J**	39	7.6	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Diethyl phthalate	<200	*	200	67	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Fluoranthene	**140**		39	7.3	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Fluorene	<39		39	5.6	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Hexachloroethane	<200		200	60	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1

Client Sample ID: CR-13(0-2)-012120

Date Collected: 01/21/20 12:30
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-14

Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**32**	**J**	39	10	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Isophorone	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Naphthalene	<39		39	6.1	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Nitrobenzene	<39	*	39	9.9	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
N-Nitrosodi-n-propylamine	<80		80	48	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Phenanthrene	**66**		39	5.5	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Phenol	<200		200	88	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1
Pyrene	**100**		39	7.9	ug/Kg	☼	01/28/20 16:08	01/30/20 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*31 - 143*	*01/28/20 16:08*	*01/30/20 03:00*	*1*
2-Fluorobiphenyl	*85*		*43 - 145*	*01/28/20 16:08*	*01/30/20 03:00*	*1*
2-Fluorophenol	*81*		*31 - 166*	*01/28/20 16:08*	*01/30/20 03:00*	*1*
Nitrobenzene-d5	*77*		*37 - 147*	*01/28/20 16:08*	*01/30/20 03:00*	*1*
Phenol-d5	*83*		*30 - 153*	*01/28/20 16:08*	*01/30/20 03:00*	*1*
Terphenyl-d14	*113*		*42 - 157*	*01/28/20 16:08*	*01/30/20 03:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 17:04	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 17:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 17:04	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 17:04	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:04	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:04	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:04	1
Iron	**0.34**	**J**	0.40	0.20	mg/L		01/28/20 15:25	01/29/20 17:04	1
Lead	**0.013**		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 17:04	1
Manganese	**0.13**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:04	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:04	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 17:04	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:04	1
Zinc	**0.067**	**J B**	0.50	0.020	mg/L		01/28/20 15:25	01/29/20 17:04	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		01/28/20 15:20	01/30/20 01:12	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 01:12	1
Beryllium	**0.0058**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 01:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 01:12	1
Chromium	**0.13**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:12	1
Cobalt	**0.035**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:12	1
Copper	**0.17**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:12	1
Iron	**130**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 01:12	1
Lead	**0.31**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 01:12	1
Manganese	**0.79**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:12	1
Nickel	**0.13**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:12	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 01:12	1

Client Sample ID: CR-13(0-2)-012120

Date Collected: 01/21/20 12:30
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-14

Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:12	1
Zinc	**0.61**		0.50	0.020	mg/L		01/28/20 15:20	01/30/20 01:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.38**	**J**	1.2	0.23	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Arsenic	**7.2**		0.60	0.20	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Barium	**55**		0.60	0.068	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Beryllium	**0.82**		0.24	0.056	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Cadmium	**0.27**		0.12	0.021	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Calcium	**54000**	**B**	120	20	mg/Kg	☼	01/24/20 07:28	01/29/20 13:10	10
Chromium	**19**		0.60	0.30	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Cobalt	**12**		0.30	0.078	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Copper	**23**		0.60	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Iron	**19000**		12	6.2	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Lead	**32**		0.30	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Magnesium	**25000**		6.0	3.0	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Manganese	**500**		0.60	0.086	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Nickel	**31**		0.60	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Potassium	**2600**		30	11	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Selenium	**0.36**	**J**	0.60	0.35	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Silver	**2.9**	**B**	0.30	0.077	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Sodium	**460**		60	8.8	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Vanadium	**26**		0.30	0.070	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	1
Zinc	**75**		1.2	0.52	mg/Kg	☼	01/24/20 07:28	01/28/20 21:29	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		01/30/20 10:35	01/31/20 11:24	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		01/31/20 11:00	02/03/20 12:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**38**		20	6.5	ug/Kg	☼	01/30/20 15:00	01/31/20 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			01/28/20 16:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CR-12(0-2)-012120
Date Collected: 01/21/20 12:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-15
Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Acetone	<17		17	7.5	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1
Xylenes, Total	<3.5		3.5	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*01/22/20 17:10*	*01/30/20 05:53*	*1*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*01/22/20 17:10*	*01/30/20 05:53*	*1*
Dibromofluoromethane	*91*		*75 - 126*	*01/22/20 17:10*	*01/30/20 05:53*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*01/22/20 17:10*	*01/30/20 05:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CR-12(0-2)-012120
Date Collected: 01/21/20 12:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-15
Matrix: Solid
Percent Solids: 79.9

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	☼	01/28/20 16:08	01/29/20 22:54	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2,4-Dinitrophenol	<830		830	720	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2-Methylphenol	<210		210	66	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
4-Nitrophenol	<830	*	830	390	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Anthracene	<41		41	6.9	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Benzo[a]anthracene	**6.8**	**J**	41	5.5	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Benzo[a]pyrene	**14**	**J**	41	7.9	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Benzo[b]fluoranthene	**17**	**J**	41	8.9	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Carbazole	<210		210	100	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Chrysene	<41		41	11	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Dibenz(a,h)anthracene	<41		41	7.9	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Dibenzofuran	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Diethyl phthalate	<210	*	210	70	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Fluoranthene	**13**	**J**	41	7.6	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Fluorene	<41		41	5.8	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Hexachlorobenzene	<83		83	9.5	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Hexachloroethane	<210		210	62	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1

Client Sample ID: CR-12(0-2)-012120

Date Collected: 01/21/20 12:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-15

Matrix: Solid
Percent Solids: 79.9

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	**12**	**J**	41	11	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Isophorone	<210		210	46	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Naphthalene	<41		41	6.3	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Nitrobenzene	<41	*	41	10	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
N-Nitrosodi-n-propylamine	<83		83	50	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Phenanthrene	**5.9**	**J**	41	5.7	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Phenol	<210		210	91	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1
Pyrene	**9.7**	**J**	41	8.2	ug/Kg	☼	01/28/20 16:08	01/29/20 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*31 - 143*	*01/28/20 16:08*	*01/29/20 22:54*	*1*
2-Fluorobiphenyl	*84*		*43 - 145*	*01/28/20 16:08*	*01/29/20 22:54*	*1*
2-Fluorophenol	*81*		*31 - 166*	*01/28/20 16:08*	*01/29/20 22:54*	*1*
Nitrobenzene-d5	*81*		*37 - 147*	*01/28/20 16:08*	*01/29/20 22:54*	*1*
Phenol-d5	*87*		*30 - 153*	*01/28/20 16:08*	*01/29/20 22:54*	*1*
Terphenyl-d14	*112*		*42 - 157*	*01/28/20 16:08*	*01/29/20 22:54*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 17:09	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 17:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 17:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 17:09	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:09	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:09	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:09	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 17:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 17:09	1
Manganese	**0.092**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:09	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:09	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 17:09	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:09	1
Zinc	<0.50		0.50	0.020	mg/L		01/28/20 15:25	01/29/20 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.055**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 01:16	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 01:16	1
Beryllium	**0.0062**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 01:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 01:16	1
Chromium	**0.13**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:16	1
Cobalt	**0.033**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:16	1
Copper	**0.17**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:16	1
Iron	**130**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 01:16	1
Lead	**0.066**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 01:16	1
Manganese	**0.50**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:16	1
Nickel	**0.13**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:16	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 01:16	1

Client Sample ID: CR-12(0-2)-012120
Date Collected: 01/21/20 12:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-15
Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:16	1
Zinc	**0.52**		0.50	0.020	mg/L		01/28/20 15:20	01/30/20 01:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.41**	**J**	1.2	0.24	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Arsenic	**6.3**		0.62	0.21	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Barium	**49**		0.62	0.071	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Beryllium	**0.74**		0.25	0.058	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Cadmium	**0.22**		0.12	0.022	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Calcium	**67000**	**B**	120	21	mg/Kg	☼	01/24/20 07:28	01/29/20 13:14	10
Chromium	**19**		0.62	0.31	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Cobalt	**8.8**		0.31	0.082	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Copper	**24**		0.62	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Iron	**17000**		12	6.5	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Lead	**20**		0.31	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Magnesium	**30000**		6.2	3.1	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Manganese	**360**		0.62	0.091	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Nickel	**24**		0.62	0.18	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Potassium	**2300**		31	11	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Selenium	<0.62		0.62	0.37	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Silver	**2.6**	**B**	0.31	0.081	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Sodium	**420**		62	9.2	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Vanadium	**23**		0.31	0.074	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	1
Zinc	**63**		1.2	0.55	mg/Kg	☼	01/24/20 07:28	01/28/20 21:33	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		01/30/20 10:35	01/31/20 11:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.41**		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 12:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**31**		20	6.5	ug/Kg	☼	01/30/20 15:00	01/31/20 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**		0.2	0.2	SU			01/28/20 16:17	1

Client Sample ID: CR-11(0-4)-012120
Lab Sample ID: 500-176710-16

Date Collected: 01/21/20 12:05
Matrix: Solid

Date Received: 01/22/20 14:15
Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Acetone	**13**	**J**	17	7.4	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Carbon disulfide	<4.3		4.3	0.89	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 06:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*01/22/20 17:10*	*01/30/20 06:18*	*1*
4-Bromofluorobenzene (Surr)	*107*		*75 - 131*	*01/22/20 17:10*	*01/30/20 06:18*	*1*
Dibromofluoromethane	*89*		*75 - 126*	*01/22/20 17:10*	*01/30/20 06:18*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*01/22/20 17:10*	*01/30/20 06:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1

Client Sample ID: CR-11(0-4)-012120
Date Collected: 01/21/20 12:05
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-16
Matrix: Solid
Percent Solids: 80.4

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	☼	01/28/20 16:08	01/29/20 23:18	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2,4-Dichlorophenol	<410		410	97	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2,4-Dinitrophenol	<830		830	720	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2-Methylnaphthalene	<83		83	7.5	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2-Methylphenol	<210		210	66	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
4-Nitrophenol	<830	*	830	390	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Anthracene	<41		41	6.9	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Benzo[a]anthracene	**25**	**J**	41	5.5	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Benzo[a]pyrene	**43**		41	7.9	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Benzo[b]fluoranthene	**51**		41	8.9	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Benzo[g,h,i]perylene	**24**	**J**	41	13	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Benzo[k]fluoranthene	**19**	**J**	41	12	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Bis(2-chloroethyl)ether	<210		210	61	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Carbazole	<210		210	100	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Chrysene	**33**	**J**	41	11	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Dibenz(a,h)anthracene	<41		41	7.9	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Dibenzofuran	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Diethyl phthalate	<210	*	210	70	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Di-n-butyl phthalate	<210		210	62	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Fluoranthene	**57**		41	7.6	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Fluorene	<41		41	5.8	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Hexachlorobenzene	<83		83	9.5	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Hexachlorobutadiene	<210		210	64	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Hexachloroethane	<210		210	62	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1

Client Sample ID: CR-11(0-4)-012120

Date Collected: 01/21/20 12:05
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-16

Matrix: Solid
Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**27**	**J**	41	11	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Isophorone	<210		210	46	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Naphthalene	<41		41	6.3	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Nitrobenzene	<41	*	41	10	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
N-Nitrosodi-n-propylamine	<83		83	50	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Phenanthrene	**20**	**J**	41	5.7	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Phenol	<210		210	91	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1
Pyrene	**47**		41	8.1	ug/Kg	☼	01/28/20 16:08	01/29/20 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*105*		*31 - 143*	*01/28/20 16:08*	*01/29/20 23:18*	*1*
2-Fluorobiphenyl	*88*		*43 - 145*	*01/28/20 16:08*	*01/29/20 23:18*	*1*
2-Fluorophenol	*85*		*31 - 166*	*01/28/20 16:08*	*01/29/20 23:18*	*1*
Nitrobenzene-d5	*80*		*37 - 147*	*01/28/20 16:08*	*01/29/20 23:18*	*1*
Phenol-d5	*89*		*30 - 153*	*01/28/20 16:08*	*01/29/20 23:18*	*1*
Terphenyl-d14	*135*		*42 - 157*	*01/28/20 16:08*	*01/29/20 23:18*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 17:13	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 17:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 17:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 17:13	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:13	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:13	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:13	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 17:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 17:13	1
Manganese	**0.070**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:13	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:13	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 17:13	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:13	1
Zinc	**0.28**	**J B**	0.50	0.020	mg/L		01/28/20 15:25	01/29/20 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.057**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 01:20	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 01:20	1
Beryllium	**0.0069**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 01:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 01:20	1
Chromium	**0.14**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:20	1
Cobalt	**0.035**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:20	1
Copper	**0.18**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:20	1
Iron	**150**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 01:20	1
Lead	**0.081**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 01:20	1
Manganese	**0.60**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:20	1
Nickel	**0.14**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:20	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 01:20	1

Client Sample ID: CR-11(0-4)-012120

Date Collected: 01/21/20 12:05
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-16

Matrix: Solid
Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.011	J	0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:20	1
Zinc	0.45	J	0.50	0.020	mg/L		01/28/20 15:20	01/30/20 01:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.38	J	1.2	0.23	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Arsenic	4.5		0.59	0.20	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Barium	54		0.59	0.067	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Beryllium	0.77		0.23	0.055	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Cadmium	0.20		0.12	0.021	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Calcium	66000	B	120	20	mg/Kg	☼	01/24/20 07:28	01/29/20 13:18	10
Chromium	19		0.59	0.29	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Cobalt	9.3		0.29	0.077	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Copper	16		0.59	0.16	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Iron	15000		12	6.1	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Lead	13		0.29	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Magnesium	27000		5.9	2.9	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Manganese	320		0.59	0.085	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Nickel	24		0.59	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Potassium	3100		29	10	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Silver	3.0	B	0.29	0.076	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Sodium	620		59	8.7	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Vanadium	24		0.29	0.069	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	1
Zinc	58		1.2	0.51	mg/Kg	☼	01/24/20 07:28	01/28/20 21:45	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		01/30/20 10:35	01/31/20 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.32		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 12:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27		19	6.5	ug/Kg	☼	01/30/20 15:00	01/31/20 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			01/28/20 16:23	1

Client Sample ID: CR-11(0-4)-012120D
Lab Sample ID: 500-176710-17

Date Collected: 01/21/20 12:05
Matrix: Solid

Date Received: 01/22/20 14:15
Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
1,1,2-Trichloroethane	<1.9		1.9	0.79	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
1,1-Dichloroethane	<1.9		1.9	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
1,1-Dichloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
1,2-Dichloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
1,2-Dichloropropane	<1.9		1.9	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
1,3-Dichloropropene, Total	<1.9		1.9	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Acetone	<19		19	8.1	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Benzene	<1.9		1.9	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Bromoform	<1.9		1.9	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Bromomethane	<4.6		4.6	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Carbon disulfide	<4.6		4.6	0.96	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Carbon tetrachloride	<1.9		1.9	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Chlorobenzene	<1.9		1.9	0.68	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Chloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Chloroform	<1.9		1.9	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Chloromethane	<4.6		4.6	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
cis-1,2-Dichloroethene	<1.9		1.9	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
cis-1,3-Dichloropropene	<1.9		1.9	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Ethylbenzene	<1.9		1.9	0.89	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Methyl Ethyl Ketone	<4.6		4.6	2.1	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
methyl isobutyl ketone	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Methyl tert-butyl ether	<1.9		1.9	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Methylene Chloride	<4.6		4.6	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Styrene	<1.9		1.9	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Tetrachloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
trans-1,2-Dichloroethene	<1.9		1.9	0.82	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
trans-1,3-Dichloropropene	<1.9		1.9	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Trichloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Vinyl chloride	<1.9		1.9	0.82	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1
Xylenes, Total	<3.7		3.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 06:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*	*01/22/20 17:10*	*01/30/20 06:44*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/22/20 17:10*	*01/30/20 06:44*	*1*
Dibromofluoromethane	*88*		*75 - 126*	*01/22/20 17:10*	*01/30/20 06:44*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*01/22/20 17:10*	*01/30/20 06:44*	*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	☼	01/28/20 16:08	01/29/20 23:43	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CR-11(0-4)-012120D
Date Collected: 01/21/20 12:05
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-17
Matrix: Solid
Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2-Methylnaphthalene	<82		82	7.4	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2-Methylphenol	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
4,6-Dinitro-2-methylphenol	<820		820	320	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
4-Nitrophenol	<820	*	820	380	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Anthracene	<40		40	6.8	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Carbazole	<200		200	100	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Chrysene	<40		40	11	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Diethyl phthalate	<200	*	200	69	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Fluorene	<40		40	5.7	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Hexachloroethane	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1

Client Sample ID: CR-11(0-4)-012120D

Date Collected: 01/21/20 12:05
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-17

Matrix: Solid
Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Isophorone	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Naphthalene	<40		40	6.2	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Nitrobenzene	<40	*	40	10	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
N-Nitrosodi-n-propylamine	<82		82	49	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Phenol	<200		200	90	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1
Pyrene	<40		40	8.0	ug/Kg	☼	01/28/20 16:08	01/29/20 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*31 - 143*	*01/28/20 16:08*	*01/29/20 23:43*	*1*
2-Fluorobiphenyl	*81*		*43 - 145*	*01/28/20 16:08*	*01/29/20 23:43*	*1*
2-Fluorophenol	*82*		*31 - 166*	*01/28/20 16:08*	*01/29/20 23:43*	*1*
Nitrobenzene-d5	*82*		*37 - 147*	*01/28/20 16:08*	*01/29/20 23:43*	*1*
Phenol-d5	*86*		*30 - 153*	*01/28/20 16:08*	*01/29/20 23:43*	*1*
Terphenyl-d14	*121*		*42 - 157*	*01/28/20 16:08*	*01/29/20 23:43*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 17:18	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 17:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 17:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 17:18	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:18	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:18	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:18	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 17:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 17:18	1
Manganese	**0.25**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:18	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:18	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 17:18	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:18	1
Zinc	**0.030**	**J B**	0.50	0.020	mg/L		01/28/20 15:25	01/29/20 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.068**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 01:24	1
Barium	**0.59**		0.50	0.050	mg/L		01/28/20 15:20	01/30/20 01:24	1
Beryllium	**0.0090**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 01:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 01:24	1
Chromium	**0.18**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:24	1
Cobalt	**0.045**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:24	1
Copper	**0.22**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:24	1
Iron	**180**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 01:24	1
Lead	**0.10**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 01:24	1
Manganese	**0.72**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:24	1
Nickel	**0.18**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:24	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 01:24	1

Client Sample ID: CR-11(0-4)-012120D
Date Collected: 01/21/20 12:05
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-17
Matrix: Solid
Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.014	J	0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:24	1
Zinc	0.73		0.50	0.020	mg/L		01/28/20 15:20	01/30/20 01:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.41	J	1.1	0.22	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Arsenic	3.2		0.57	0.20	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Barium	54		0.57	0.065	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Beryllium	0.75		0.23	0.054	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Cadmium	0.19		0.11	0.021	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Calcium	66000	B	110	19	mg/Kg	☼	01/24/20 07:28	01/29/20 13:23	10
Chromium	19		0.57	0.28	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Cobalt	7.4		0.29	0.075	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Copper	13		0.57	0.16	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Iron	14000		11	6.0	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Lead	10		0.29	0.13	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Magnesium	28000		5.7	2.8	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Manganese	290		0.57	0.083	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Nickel	22		0.57	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Potassium	3100		29	10	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Selenium	0.34	J	0.57	0.34	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Silver	3.0	B	0.29	0.074	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Sodium	590		57	8.5	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Thallium	<0.57		0.57	0.29	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Vanadium	22		0.29	0.068	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	1
Zinc	59		1.1	0.50	mg/Kg	☼	01/24/20 07:28	01/28/20 21:49	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		01/30/20 10:35	01/31/20 11:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 13:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		20	6.5	ug/Kg	☼	01/30/20 15:00	01/31/20 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			01/28/20 16:26	1

Client Sample ID: CR-10(0-3)-012120

Date Collected: 01/21/20 11:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-18

Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
1,1,2-Trichloroethane	<1.8		1.8	0.78	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
1,3-Dichloropropene, Total	<1.8		1.8	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Acetone	**22**		18	7.9	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Carbon disulfide	<4.5		4.5	0.94	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Carbon tetrachloride	<1.8		1.8	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Chlorobenzene	<1.8		1.8	0.67	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Ethylbenzene	<1.8		1.8	0.87	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Methyl Ethyl Ketone	<4.5		4.5	2.0	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
trans-1,2-Dichloroethene	<1.8		1.8	0.80	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
trans-1,3-Dichloropropene	<1.8		1.8	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Vinyl chloride	<1.8		1.8	0.80	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*	*01/22/20 17:10*	*01/30/20 07:09*	*1*
4-Bromofluorobenzene (Surr)	*107*		*75 - 131*	*01/22/20 17:10*	*01/30/20 07:09*	*1*
Dibromofluoromethane	*90*		*75 - 126*	*01/22/20 17:10*	*01/30/20 07:09*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*01/22/20 17:10*	*01/30/20 07:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CR-10(0-3)-012120
Date Collected: 01/21/20 11:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-18
Matrix: Solid
Percent Solids: 78.6

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	☼	01/28/20 16:08	01/30/20 00:08	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2-Methylnaphthalene	<84		84	7.7	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2-Methylphenol	<210		210	67	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
2-Nitrophenol	<410		410	99	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
4,6-Dinitro-2-methylphenol	<840		840	340	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
4-Nitrophenol	<840	*	840	400	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Anthracene	<41		41	7.0	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Benzo[a]anthracene	**13**	**J**	41	5.6	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Benzo[a]pyrene	**23**	**J**	41	8.1	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Benzo[b]fluoranthene	**31**	**J**	41	9.0	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Carbazole	<210		210	100	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Chrysene	**16**	**J**	41	11	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Dibenz(a,h)anthracene	<41		41	8.1	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Dibenzofuran	<210		210	49	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Diethyl phthalate	<210	*	210	71	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Fluoranthene	**27**	**J**	41	7.7	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Fluorene	<41		41	5.9	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Hexachloroethane	<210		210	63	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1

Client Sample ID: CR-10(0-3)-012120

Date Collected: 01/21/20 11:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-18

Matrix: Solid
Percent Solids: 78.6

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	**18**	**J**	41	11	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Isophorone	<210		210	47	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Naphthalene	<41		41	6.4	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Nitrobenzene	<41	*	41	10	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
N-Nitrosodi-n-propylamine	<84		84	51	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Phenanthrene	**11**	**J**	41	5.8	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Phenol	<210		210	93	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1
Pyrene	**21**	**J**	41	8.3	ug/Kg	☼	01/28/20 16:08	01/30/20 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*31 - 143*	*01/28/20 16:08*	*01/30/20 00:08*	*1*
2-Fluorobiphenyl	*97*		*43 - 145*	*01/28/20 16:08*	*01/30/20 00:08*	*1*
2-Fluorophenol	*90*		*31 - 166*	*01/28/20 16:08*	*01/30/20 00:08*	*1*
Nitrobenzene-d5	*91*		*37 - 147*	*01/28/20 16:08*	*01/30/20 00:08*	*1*
Phenol-d5	*96*		*30 - 153*	*01/28/20 16:08*	*01/30/20 00:08*	*1*
Terphenyl-d14	*121*		*42 - 157*	*01/28/20 16:08*	*01/30/20 00:08*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 17:22	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 17:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 17:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 17:22	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:22	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:22	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:22	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 17:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 17:22	1
Manganese	**0.014**	**J**	0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:22	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:22	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 17:22	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:22	1
Zinc	**0.19**	**J B**	0.50	0.020	mg/L		01/28/20 15:25	01/29/20 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.053**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 01:28	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 01:28	1
Beryllium	**0.0069**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 01:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 01:28	1
Chromium	**0.14**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:28	1
Cobalt	**0.033**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:28	1
Copper	**0.16**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:28	1
Iron	**140**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 01:28	1
Lead	**0.086**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 01:28	1
Manganese	**0.55**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:28	1
Nickel	**0.13**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:28	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 01:28	1

Client Sample ID: CR-10(0-3)-012120

Date Collected: 01/21/20 11:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-18

Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.010	J	0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:28	1
Zinc	0.44	J	0.50	0.020	mg/L		01/28/20 15:20	01/30/20 01:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.30	J	1.2	0.23	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Arsenic	4.1		0.60	0.21	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Barium	52		0.60	0.068	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Beryllium	0.78		0.24	0.056	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Cadmium	0.22		0.12	0.022	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Calcium	66000	B	120	20	mg/Kg	☼	01/24/20 07:28	01/29/20 13:27	10
Chromium	18		0.60	0.30	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Cobalt	8.8		0.30	0.079	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Copper	21		0.60	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Iron	15000		12	6.2	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Lead	12		0.30	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Magnesium	28000		6.0	3.0	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Manganese	310		0.60	0.087	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Nickel	24		0.60	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Potassium	2800		30	11	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Silver	3.0	B	0.30	0.077	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Sodium	580		60	8.9	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Vanadium	23		0.30	0.071	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	1
Zinc	63		1.2	0.53	mg/Kg	☼	01/24/20 07:28	01/28/20 21:53	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		01/30/20 10:35	01/31/20 11:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.28		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 13:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	29		20	6.5	ug/Kg	☼	01/30/20 15:00	01/31/20 12:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			01/28/20 16:29	1

Client Sample ID: CR-9(0-2)-012120
Lab Sample ID: 500-176710-19

Date Collected: 01/21/20 11:45
Matrix: Solid
Date Received: 01/22/20 14:15
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Acetone	**49**		16	7.1	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Benzene	<1.6		1.6	0.42	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Bromoform	<1.6		1.6	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Carbon disulfide	<4.1		4.1	0.85	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Chloroform	<1.6		1.6	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
cis-1,2-Dichloroethene	<1.6		1.6	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Dibromochloromethane	<1.6		1.6	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Tetrachloroethene	<1.6		1.6	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
trans-1,2-Dichloroethene	<1.6		1.6	0.73	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1
Xylenes, Total	<3.3		3.3	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 07:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*01/22/20 17:10*	*01/30/20 07:35*	*1*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*01/22/20 17:10*	*01/30/20 07:35*	*1*
Dibromofluoromethane	*89*		*75 - 126*	*01/22/20 17:10*	*01/30/20 07:35*	*1*
Toluene-d8 (Surr)	*103*		*75 - 124*	*01/22/20 17:10*	*01/30/20 07:35*	*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	☼	01/28/20 16:08	01/30/20 00:32	1
1,2-Dichlorobenzene	<200		200	49	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1

Client Sample ID: CR-9(0-2)-012120
Date Collected: 01/21/20 11:45
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-19
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	93	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2,4-Dinitrotoluene	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2-Methylnaphthalene	<82		82	7.5	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2-Methylphenol	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
4-Bromophenyl phenyl ether	<200		200	54	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
4-Nitrophenol	<820	*	820	390	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Acenaphthylene	<40		40	5.4	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Anthracene	<40		40	6.8	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Benzo[a]anthracene	**29**	**J**	40	5.5	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Benzo[a]pyrene	**43**		40	7.9	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Benzo[b]fluoranthene	**56**		40	8.8	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Benzo[g,h,i]perylene	**18**	**J**	40	13	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Benzo[k]fluoranthene	**17**	**J**	40	12	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Carbazole	<200		200	100	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Chrysene	**41**		40	11	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Dibenz(a,h)anthracene	<40		40	7.9	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Dibenzofuran	<200		200	48	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Diethyl phthalate	<200	*	200	69	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Fluoranthene	**65**		40	7.5	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Fluorene	<40		40	5.7	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Hexachloroethane	<200		200	62	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1

Client Sample ID: CR-9(0-2)-012120
Date Collected: 01/21/20 11:45
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-19
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	**24**	**J**	40	11	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Isophorone	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Naphthalene	<40		40	6.2	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Nitrobenzene	<40	*	40	10	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
N-Nitrosodi-n-propylamine	<82		82	50	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Phenanthrene	**26**	**J**	40	5.7	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Phenol	<200		200	90	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1
Pyrene	**48**		40	8.1	ug/Kg	☼	01/28/20 16:08	01/30/20 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*31 - 143*	*01/28/20 16:08*	*01/30/20 00:32*	*1*
2-Fluorobiphenyl	*94*		*43 - 145*	*01/28/20 16:08*	*01/30/20 00:32*	*1*
2-Fluorophenol	*78*		*31 - 166*	*01/28/20 16:08*	*01/30/20 00:32*	*1*
Nitrobenzene-d5	*82*		*37 - 147*	*01/28/20 16:08*	*01/30/20 00:32*	*1*
Phenol-d5	*87*		*30 - 153*	*01/28/20 16:08*	*01/30/20 00:32*	*1*
Terphenyl-d14	*124*		*42 - 157*	*01/28/20 16:08*	*01/30/20 00:32*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 17:49	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 17:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 17:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 17:49	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:49	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:49	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:49	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 17:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 17:49	1
Manganese	**0.015**	**J**	0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:49	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:49	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 17:49	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 17:49	1
Zinc	**0.021**	**J B**	0.50	0.020	mg/L		01/28/20 15:25	01/29/20 17:49	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		01/28/20 15:20	01/30/20 01:41	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 01:41	1
Beryllium	**0.0060**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 01:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 01:41	1
Chromium	**0.12**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:41	1
Cobalt	**0.030**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:41	1
Copper	**0.14**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:41	1
Iron	**120**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 01:41	1
Lead	**0.073**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 01:41	1
Manganese	**0.49**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:41	1
Nickel	**0.12**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:41	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 01:41	1

Client Sample ID: CR-9(0-2)-012120

Date Collected: 01/21/20 11:45
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-19

Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:41	1
Zinc	**0.39**	**J**	0.50	0.020	mg/L		01/28/20 15:20	01/30/20 01:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.26**	**J**	1.2	0.24	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Arsenic	**6.9**		0.61	0.21	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Barium	**65**		0.61	0.070	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Beryllium	**0.83**		0.25	0.057	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Cadmium	**0.31**		0.12	0.022	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Calcium	**53000**	**B**	120	21	mg/Kg	☼	01/24/20 07:28	01/29/20 13:31	10
Chromium	**19**		0.61	0.30	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Cobalt	**11**		0.31	0.080	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Copper	**23**		0.61	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Iron	**18000**		12	6.4	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Lead	**27**		0.31	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Magnesium	**22000**		6.1	3.0	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Manganese	**450**		0.61	0.089	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Nickel	**29**		0.61	0.18	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Potassium	**2900**		31	11	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Selenium	**0.36**	**J**	0.61	0.36	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Silver	**2.9**	**B**	0.31	0.079	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Sodium	**510**		61	9.1	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Thallium	<0.61		0.61	0.31	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Vanadium	**27**		0.31	0.072	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	1
Zinc	**73**		1.2	0.54	mg/Kg	☼	01/24/20 07:28	01/28/20 21:57	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		01/30/20 10:35	01/31/20 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 13:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		18	6.1	ug/Kg	☼	01/30/20 15:00	01/31/20 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**		0.2	0.2	SU			01/28/20 16:32	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

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

Glossary

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-176710 COC

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-764-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176710
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 4.5, 4.3, 5.6

Client: Weston Solutions, INC
Client Project #: 02056.016.009
Project Name: IDOT Grayslake
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D + Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		CR-8(0-2)-012120	1/21/20	1140	5	S	x	x	x	x	x					
2		CR-7(0-2)-012120		1130												
3		CR-5(0-5)-012120		1045												
4		CR-5(5-9)-012120		1055												
5		CR-6(0-5)-012120		1115												
6		CR-6(5-9)-012120		1120												
7		CR-3(0-2)-012120		0940												
8		CR-4(0-5)-012120		1020												
9		CR-4(5-9)-012120		1030												
10		CR-4(5-9)-012120D		1030												

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
[signature]	Weston	1/21/20	1700	Timothy M. Walls	Weston	1-21-20	1700
Timothy M. Walls	Weston	1-22-20	1115	[signature]	TAL	1-22-20	1115
[signature]	TAL	1-22-20	1415	[signature]	TA-Chi	1/22/20	1415

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
Some T-kits have gray vial and some do not.

Lab Comments:

TAL-4124-500 (1209)

2/3/2020

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: Andris Sleseers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176710
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston Solutions, INC
Client Project #: 02056.016.009
Project Name: IDOT Grayslake
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Alex D. + Taylor O.
Lab PM: Bernard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP / 4 PAH Metals	pH					Comments
11		CM-2 (0-3)-012120	1/21/20	1300	5	S		x	x	x	x	x					
12		CM-1 (0-3)-012120		1250													
13		CR-14 (0-2)-012120		1240													
14		CR-13 (0-2)-012120		1230													
15		CR-12 (0-2)-012120		1220													
16		CR-11 (0-4)-012120		1205													
17		CR-11 (0-4)-012120 D		1205													
18		CR-10 (0-3)-012120		1150													
19		CR-9 (0-2)-012120		1145													
		CR-8 (0-2)-012120		1140													listed twice

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
[signature]	Weston	1/21/20	1700	[signature]	Weston	1-21-20	1700
[signature]	Weston	1-22-20	1115	[signature]	TAL	1-22-20	1115
[signature]	TAL	1-22-20	1415	[signature]	TAL	1/22/20	1415

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: some T-limits have gray area, and some do not.

Lab Comments:

TAL-4124-500 (1209)

2/3/2020

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-177008-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
2/15/2020 5:53:07 AM

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

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: CR-2(0-5)-012820

Date Collected: 01/28/20 09:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-5

Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
1,1,2-Trichloroethane	<1.8		1.8	0.78	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
1,3-Dichloropropene, Total	<1.8		1.8	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Acetone	<18		18	7.9	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Carbon disulfide	<4.5		4.5	0.94	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Carbon tetrachloride	<1.8		1.8	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Chlorobenzene	<1.8		1.8	0.67	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Chloromethane	<4.5	*	4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Ethylbenzene	<1.8		1.8	0.87	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Methyl Ethyl Ketone	<4.5		4.5	2.0	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
trans-1,2-Dichloroethene	<1.8		1.8	0.80	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
trans-1,3-Dichloropropene	<1.8		1.8	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Vinyl chloride	<1.8		1.8	0.80	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	01/28/20 17:20	02/05/20 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/28/20 17:20*	*02/05/20 18:26*	*1*
4-Bromofluorobenzene (Surr)	*109*		*75 - 131*	*01/28/20 17:20*	*02/05/20 18:26*	*1*
Dibromofluoromethane	*95*		*75 - 126*	*01/28/20 17:20*	*02/05/20 18:26*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*01/28/20 17:20*	*02/05/20 18:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1

Client Sample ID: CR-2(0-5)-012820
Date Collected: 01/28/20 09:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-5
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	91	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2-Methylphenol	<200		200	64	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Anthracene	<39		39	6.6	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Benzo[a]anthracene	**15**	**J**	39	5.3	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Benzo[a]pyrene	**17**	**J**	39	7.7	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Benzo[b]fluoranthene	**24**	**J**	39	8.6	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Benzo[g,h,i]perylene	**15**	**J**	39	13	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Carbazole	<200		200	99	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Chrysene	**26**	**J**	39	11	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Fluoranthene	**56**		39	7.4	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Fluorene	<39		39	5.6	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Hexachloroethane	<200		200	60	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1

Client Sample ID: CR-2(0-5)-012820

Date Collected: 01/28/20 09:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-5

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	<39		39	10	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Isophorone	<200		200	45	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Naphthalene	<39		39	6.1	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
N-Nitrosodi-n-propylamine	<80		80	49	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
N-Nitrosodiphenylamine	<200	*	200	47	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Phenanthrene	**26**	**J**	39	5.5	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Phenol	<200		200	88	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1
Pyrene	**28**	**J**	39	7.9	ug/Kg	☼	02/04/20 18:12	02/06/20 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*31 - 143*	*02/04/20 18:12*	*02/06/20 17:00*	*1*
2-Fluorobiphenyl	*90*		*43 - 145*	*02/04/20 18:12*	*02/06/20 17:00*	*1*
2-Fluorophenol	*90*		*31 - 166*	*02/04/20 18:12*	*02/06/20 17:00*	*1*
Nitrobenzene-d5	*81*		*37 - 147*	*02/04/20 18:12*	*02/06/20 17:00*	*1*
Phenol-d5	*73*		*30 - 153*	*02/04/20 18:12*	*02/06/20 17:00*	*1*
Terphenyl-d14	*135*		*42 - 157*	*02/04/20 18:12*	*02/06/20 17:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:36	02/10/20 10:28	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 10:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 10:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 10:28	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:28	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:28	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:28	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 10:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 10:28	1
Manganese	**0.045**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:28	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:28	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 10:28	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:28	1
Zinc	**0.12**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 10:28	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		02/08/20 16:30	02/10/20 10:12	1
Barium	**0.22**	**J**	0.50	0.050	mg/L		02/08/20 16:30	02/10/20 10:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 10:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 10:12	1
Chromium	**0.036**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:12	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:12	1
Copper	**0.040**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:12	1
Iron	**24**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 10:12	1
Lead	**0.034**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 10:12	1
Manganese	**0.13**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:12	1
Nickel	**0.033**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:12	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 10:12	1

Client Sample ID: CR-2(0-5)-012820

Date Collected: 01/28/20 09:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-5

Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:12	1
Zinc	**0.27**	**J B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 10:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.73**	**J**	1.1	0.22	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Arsenic	**5.1**		0.55	0.19	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Barium	**47**		0.55	0.063	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Beryllium	**0.76**		0.22	0.052	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Cadmium	**0.30**	**B**	0.11	0.020	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Calcium	**67000**	**B**	110	19	mg/Kg	☼	02/03/20 07:16	02/04/20 14:23	10
Chromium	**17**		0.55	0.27	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Cobalt	**12**		0.28	0.073	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Copper	**25**		0.55	0.16	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Iron	**16000**		11	5.8	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Lead	**52**		0.28	0.13	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Magnesium	**29000**		5.5	2.8	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Manganese	**350**	**B**	0.55	0.080	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Nickel	**26**		0.55	0.16	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Potassium	**2600**		28	9.8	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Selenium	**0.45**	**J**	0.55	0.33	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Silver	**2.5**		0.28	0.072	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Sodium	**150**		55	8.2	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Vanadium	**21**		0.28	0.065	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	1
Zinc	**88**		1.1	0.49	mg/Kg	☼	02/03/20 07:16	02/04/20 04:18	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		02/13/20 10:55	02/14/20 08:51	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		02/13/20 16:40	02/14/20 09:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		18	6.1	ug/Kg	☼	02/13/20 16:05	02/14/20 09:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.5**		0.2	0.2	SU			02/04/20 16:15	1

Client Sample ID: CR-2(0-5)-012820D

Date Collected: 01/28/20 09:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-6

Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,2-Dichloroethane	<4.0		4.0	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Acetone	**11**	**J**	16	7.0	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Chloromethane	<4.0	*	4.0	1.6	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Ethylbenzene	<1.6		1.6	0.77	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*	*01/28/20 17:20*	*02/05/20 18:51*	*1*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*01/28/20 17:20*	*02/05/20 18:51*	*1*
Dibromofluoromethane	*94*		*75 - 126*	*01/28/20 17:20*	*02/05/20 18:51*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*01/28/20 17:20*	*02/05/20 18:51*	*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	44	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1

Client Sample ID: CR-2(0-5)-012820D
Date Collected: 01/28/20 09:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-6
Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	94	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2-Methylphenol	<210		210	66	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Anthracene	<41		41	6.9	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Benzo[a]anthracene	<41		41	5.5	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Benzo[a]pyrene	**12**	**J**	41	8.0	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Benzo[b]fluoranthene	**17**	**J**	41	8.9	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Benzo[g,h,i]perylene	**15**	**J**	41	13	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Carbazole	<210		210	100	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Chrysene	**22**	**J**	41	11	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Dibenzofuran	<210		210	48	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Fluoranthene	**43**		41	7.6	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Fluorene	<41		41	5.8	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Hexachloroethane	<210		210	63	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1

Client Sample ID: CR-2(0-5)-012820D
Date Collected: 01/28/20 09:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-6
Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Isophorone	<210		210	46	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Naphthalene	<41		41	6.3	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Nitrobenzene	<41		41	10	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
N-Nitrosodi-n-propylamine	<83		83	50	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
N-Nitrosodiphenylamine	<210	*	210	49	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Phenanthrene	**19**	**J**	41	5.7	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Phenol	<210		210	92	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1
Pyrene	**18**	**J**	41	8.2	ug/Kg	☼	02/04/20 18:12	02/06/20 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*104*		*31 - 143*	*02/04/20 18:12*	*02/06/20 17:28*	*1*
2-Fluorobiphenyl	*98*		*43 - 145*	*02/04/20 18:12*	*02/06/20 17:28*	*1*
2-Fluorophenol	*89*		*31 - 166*	*02/04/20 18:12*	*02/06/20 17:28*	*1*
Nitrobenzene-d5	*88*		*37 - 147*	*02/04/20 18:12*	*02/06/20 17:28*	*1*
Phenol-d5	*75*		*30 - 153*	*02/04/20 18:12*	*02/06/20 17:28*	*1*
Terphenyl-d14	*135*		*42 - 157*	*02/04/20 18:12*	*02/06/20 17:28*	*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		02/08/20 16:36	02/10/20 10:33	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 10:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 10:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 10:33	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:33	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:33	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:33	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 10:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 10:33	1
Manganese	**0.070**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:33	1
Nickel	**0.010**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:33	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 10:33	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:33	1
Zinc	**0.31**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 10:33	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		02/08/20 16:30	02/10/20 10:16	1
Barium	**0.12**	**J**	0.50	0.050	mg/L		02/08/20 16:30	02/10/20 10:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 10:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 10:16	1
Chromium	**0.022**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:16	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:16	1
Copper	**0.023**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:16	1
Iron	**16**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 10:16	1
Lead	**0.016**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 10:16	1
Manganese	**0.084**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:16	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:16	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 10:16	1

Client Sample ID: CR-2(0-5)-012820D

Date Collected: 01/28/20 09:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-6

Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:16	1
Zinc	**0.13**	**J B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 10:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.77**	**J**	1.2	0.23	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Arsenic	**6.3**		0.60	0.20	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Barium	**45**		0.60	0.068	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Beryllium	**0.77**		0.24	0.056	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Cadmium	**0.24**	**B**	0.12	0.022	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Calcium	**60000**	**B**	120	20	mg/Kg	☼	02/03/20 07:16	02/04/20 14:27	10
Chromium	**16**		0.60	0.30	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Cobalt	**11**		0.30	0.078	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Copper	**23**		0.60	0.17	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Iron	**17000**		12	6.2	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Lead	**20**		0.30	0.14	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Magnesium	**25000**		6.0	3.0	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Manganese	**340**	**B**	0.60	0.087	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Nickel	**28**		0.60	0.17	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Potassium	**2600**		30	11	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Selenium	**0.53**	**J**	0.60	0.35	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Silver	**2.6**		0.30	0.077	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Sodium	**140**		60	8.9	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Vanadium	**21**		0.30	0.071	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1
Zinc	**67**		1.2	0.53	mg/Kg	☼	02/03/20 07:16	02/04/20 04:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/13/20 10:55	02/14/20 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		02/13/20 16:40	02/14/20 09:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		19	6.4	ug/Kg	☼	02/13/20 16:05	02/14/20 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			02/04/20 16:17	1

Client Sample ID: CR-2(5-9)-012820

Date Collected: 01/28/20 09:15
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-7

Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.4		1.4	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
1,1,2-Trichloroethane	<1.4		1.4	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
1,1-Dichloroethane	<1.4		1.4	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
1,1-Dichloroethene	<1.4		1.4	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
1,2-Dichloropropane	<1.4		1.4	0.37	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
1,3-Dichloropropene, Total	<1.4		1.4	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Acetone	<14		14	6.2	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Benzene	<1.4		1.4	0.36	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Bromoform	<1.4		1.4	0.42	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Bromomethane	<3.6		3.6	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Carbon disulfide	<3.6		3.6	0.74	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Carbon tetrachloride	<1.4		1.4	0.41	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Chlorobenzene	<1.4		1.4	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Chloroethane	<3.6		3.6	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Chloroform	<1.4		1.4	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Chloromethane	<3.6	*	3.6	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
cis-1,2-Dichloroethene	<1.4		1.4	0.40	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
cis-1,3-Dichloropropene	<1.4		1.4	0.43	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Dibromochloromethane	<1.4		1.4	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Ethylbenzene	<1.4		1.4	0.68	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Methyl tert-butyl ether	<1.4		1.4	0.42	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Styrene	<1.4		1.4	0.43	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Tetrachloroethene	<1.4		1.4	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Toluene	<1.4		1.4	0.36	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
trans-1,2-Dichloroethene	<1.4		1.4	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
trans-1,3-Dichloropropene	<1.4		1.4	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Trichloroethene	<1.4		1.4	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Vinyl chloride	<1.4		1.4	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1
Xylenes, Total	<2.9		2.9	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/28/20 17:20*	*02/05/20 19:16*	*1*
4-Bromofluorobenzene (Surr)	*113*		*75 - 131*	*01/28/20 17:20*	*02/05/20 19:16*	*1*
Dibromofluoromethane	*95*		*75 - 126*	*01/28/20 17:20*	*02/05/20 19:16*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*01/28/20 17:20*	*02/05/20 19:16*	*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	☼	02/04/20 18:12	02/06/20 19:25	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1

Client Sample ID: CR-2(5-9)-012820
Date Collected: 01/28/20 09:15
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-7
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2-Methylphenol	<190		190	60	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Anthracene	<37		37	6.3	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Benzo[g,h,i]perylene	**15**	**J**	37	12	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Carbazole	<190		190	94	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Chrysene	**22**	**J**	37	10	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Dibenzofuran	<190		190	44	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Fluoranthene	**32**	**J**	37	7.0	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Fluorene	<37		37	5.3	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Hexachloroethane	<190		190	57	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1

Client Sample ID: CR-2(5-9)-012820

Date Collected: 01/28/20 09:15
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-7

Matrix: Solid
Percent Solids: 86.8

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	<37		37	9.8	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Isophorone	<190		190	42	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Naphthalene	<37		37	5.8	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
N-Nitrosodiphenylamine	<190	*	190	44	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Phenanthrene	**21**	**J**	37	5.3	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Phenol	<190		190	84	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1
Pyrene	**12**	**J**	37	7.5	ug/Kg	☼	02/04/20 18:12	02/06/20 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*31 - 143*	*02/04/20 18:12*	*02/06/20 19:25*	*1*
2-Fluorobiphenyl	*96*		*43 - 145*	*02/04/20 18:12*	*02/06/20 19:25*	*1*
2-Fluorophenol	*93*		*31 - 166*	*02/04/20 18:12*	*02/06/20 19:25*	*1*
Nitrobenzene-d5	*86*		*37 - 147*	*02/04/20 18:12*	*02/06/20 19:25*	*1*
Phenol-d5	*73*		*30 - 153*	*02/04/20 18:12*	*02/06/20 19:25*	*1*
Terphenyl-d14	*136*		*42 - 157*	*02/04/20 18:12*	*02/06/20 19:25*	*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		02/08/20 16:36	02/10/20 10:37	1
Barium	**0.55**		0.50	0.050	mg/L		02/08/20 16:36	02/10/20 10:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 10:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 10:37	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:37	1
Cobalt	**0.018**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:37	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:37	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 10:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 10:37	1
Manganese	**1.8**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:37	1
Nickel	**0.037**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:37	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 10:37	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:37	1
Zinc	**0.25**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 10:37	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		02/08/20 16:30	02/10/20 10:20	1
Barium	<0.50		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 10:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 10:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 10:20	1
Chromium	**0.013**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:20	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:20	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:20	1
Iron	**7.5**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 10:20	1
Lead	**0.0081**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 10:20	1
Manganese	**0.066**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:20	1
Nickel	**0.010**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:20	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 10:20	1

Client Sample ID: CR-2(5-9)-012820

Date Collected: 01/28/20 09:15
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-7

Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:20	1
Zinc	**0.025**	**J B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 10:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.69**	**J**	1.1	0.21	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Arsenic	**5.9**		0.54	0.19	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Barium	**31**		0.54	0.062	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Beryllium	**0.65**		0.22	0.051	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Cadmium	**0.18**	**B**	0.11	0.019	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Calcium	**76000**	**B**	110	18	mg/Kg	☼	02/03/20 07:16	02/04/20 14:32	10
Chromium	**15**		0.54	0.27	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Cobalt	**11**		0.27	0.071	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Copper	**20**		0.54	0.15	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Iron	**14000**		11	5.6	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Lead	**11**		0.27	0.13	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Magnesium	**32000**		5.4	2.7	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Manganese	**350**	**B**	0.54	0.078	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Nickel	**27**		0.54	0.16	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Potassium	**2700**		27	9.6	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Selenium	**0.60**		0.54	0.32	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Silver	**2.0**		0.27	0.070	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Sodium	**160**		54	8.0	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Vanadium	**18**		0.27	0.064	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1
Zinc	**51**		1.1	0.48	mg/Kg	☼	02/03/20 07:16	02/04/20 04:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/13/20 10:55	02/14/20 08:54	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		02/13/20 16:40	02/14/20 09:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**		17	5.5	ug/Kg	☼	02/13/20 16:05	02/14/20 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			02/04/20 16:20	1

Client Sample ID: CR-1(0-5)-012820

Date Collected: 01/28/20 09:30
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-8

Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Acetone	**9.7**	**J**	15	6.5	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Carbon disulfide	<3.7		3.7	0.78	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Chloroethane	<3.7		3.7	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Chloromethane	<3.7	*	3.7	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Methyl Ethyl Ketone	<3.7		3.7	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*	*01/28/20 17:20*	*02/05/20 19:42*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/28/20 17:20*	*02/05/20 19:42*	*1*
Dibromofluoromethane	*91*		*75 - 126*	*01/28/20 17:20*	*02/05/20 19:42*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*01/28/20 17:20*	*02/05/20 19:42*	*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	☼	02/04/20 18:12	02/06/20 14:13	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177008-1

Client Sample ID: CR-1(0-5)-012820
Date Collected: 01/28/20 09:30
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-8
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2-Methylphenol	<190		190	62	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Anthracene	<38		38	6.4	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Carbazole	<190		190	96	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Chrysene	<38		38	10	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Dibenzofuran	<190		190	45	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Fluorene	<38		38	5.4	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Hexachloroethane	<190		190	58	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1

Client Sample ID: CR-1(0-5)-012820
Date Collected: 01/28/20 09:30
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-8
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Isophorone	<190		190	43	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Naphthalene	<38		38	5.9	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
N-Nitrosodiphenylamine	<190	*	190	45	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Phenol	<190		190	85	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1
Pyrene	<38		38	7.6	ug/Kg	☼	02/04/20 18:12	02/06/20 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*31 - 143*	*02/04/20 18:12*	*02/06/20 14:13*	*1*
2-Fluorobiphenyl	*79*		*43 - 145*	*02/04/20 18:12*	*02/06/20 14:13*	*1*
2-Fluorophenol	*82*		*31 - 166*	*02/04/20 18:12*	*02/06/20 14:13*	*1*
Nitrobenzene-d5	*72*		*37 - 147*	*02/04/20 18:12*	*02/06/20 14:13*	*1*
Phenol-d5	*70*		*30 - 153*	*02/04/20 18:12*	*02/06/20 14:13*	*1*
Terphenyl-d14	*145*		*42 - 157*	*02/04/20 18:12*	*02/06/20 14:13*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:36	02/10/20 10:42	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 10:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 10:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 10:42	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:42	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:42	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:42	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 10:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 10:42	1
Manganese	**0.69**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:42	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:42	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 10:42	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:42	1
Zinc	<0.50		0.50	0.020	mg/L		02/08/20 16:36	02/10/20 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.064**		0.050	0.010	mg/L		02/08/20 16:30	02/10/20 10:32	1
Barium	**0.46**	**J**	0.50	0.050	mg/L		02/08/20 16:30	02/10/20 10:32	1
Beryllium	**0.0077**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 10:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 10:32	1
Chromium	**0.16**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:32	1
Cobalt	**0.048**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:32	1
Copper	**0.22**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:32	1
Iron	**160**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 10:32	1
Lead	**0.091**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 10:32	1
Manganese	**0.80**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:32	1
Nickel	**0.19**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:32	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 10:32	1

Client Sample ID: CR-1(0-5)-012820

Date Collected: 01/28/20 09:30
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-8

Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:32	1
Zinc	**0.44**	**J B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 10:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.66**	**J**	1.1	0.22	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Arsenic	**5.2**		0.57	0.20	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Barium	**35**		0.57	0.065	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Beryllium	**0.74**		0.23	0.054	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Cadmium	**0.17**	**B**	0.11	0.021	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Calcium	**81000**	**B**	110	19	mg/Kg	☼	02/03/20 07:16	02/04/20 14:36	10
Chromium	**16**		0.57	0.28	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Cobalt	**9.3**		0.29	0.075	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Copper	**18**		0.57	0.16	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Iron	**16000**		11	6.0	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Lead	**10**		0.29	0.13	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Magnesium	**33000**		5.7	2.8	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Manganese	**360**	**B**	0.57	0.083	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Nickel	**25**		0.57	0.17	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Potassium	**2800**		29	10	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Silver	**2.5**		0.29	0.074	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Sodium	**920**		57	8.5	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Thallium	<0.57		0.57	0.29	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Vanadium	**21**		0.29	0.068	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	1
Zinc	**50**		1.1	0.50	mg/Kg	☼	02/03/20 07:16	02/04/20 04:30	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		02/13/20 10:55	02/14/20 08:56	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		02/13/20 16:40	02/14/20 09:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**20**		18	5.9	ug/Kg	☼	02/13/20 16:05	02/14/20 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**		0.2	0.2	SU			02/04/20 16:22	1

Client Sample ID: CR-1(5-9)-012820

Date Collected: 01/28/20 09:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-9

Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
1,1,2-Trichloroethane	<1.5		1.5	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
1,1-Dichloroethane	<1.5		1.5	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
1,1-Dichloroethene	<1.5		1.5	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
1,2-Dichloroethane	<3.7		3.7	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
1,3-Dichloropropene, Total	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
2-Hexanone	<3.7		3.7	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Acetone	<15		15	6.4	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Benzene	<1.5		1.5	0.37	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Carbon disulfide	<3.7		3.7	0.76	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Carbon tetrachloride	<1.5		1.5	0.42	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Chlorobenzene	<1.5		1.5	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Chloroethane	<3.7		3.7	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Chloromethane	<3.7	*	3.7	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
cis-1,3-Dichloropropene	<1.5		1.5	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Ethylbenzene	<1.5		1.5	0.70	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Methyl Ethyl Ketone	<3.7		3.7	1.6	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Methylene Chloride	<3.7		3.7	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Styrene	<1.5		1.5	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
trans-1,2-Dichloroethene	<1.5		1.5	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
trans-1,3-Dichloropropene	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Trichloroethene	<1.5		1.5	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Vinyl chloride	<1.5		1.5	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1
Xylenes, Total	<2.9		2.9	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*01/28/20 17:20*	*02/05/20 20:07*	*1*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*01/28/20 17:20*	*02/05/20 20:07*	*1*
Dibromofluoromethane	*92*		*75 - 126*	*01/28/20 17:20*	*02/05/20 20:07*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*01/28/20 17:20*	*02/05/20 20:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1

Client Sample ID: CR-1(5-9)-012820
Date Collected: 01/28/20 09:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-9
Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2-Methylphenol	<190		190	62	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
2-Nitrophenol	<380		380	92	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Anthracene	<38		38	6.5	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Benzo[b]fluoranthene	<38		38	8.4	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Carbazole	<190		190	97	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Chrysene	**15**	**J**	38	11	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Dibenzofuran	<190		190	45	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Fluorene	<38		38	5.4	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Hexachloroethane	<190		190	59	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1

Client Sample ID: CR-1(5-9)-012820

Date Collected: 01/28/20 09:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-9

Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Isophorone	<190		190	44	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Naphthalene	<38		38	6.0	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
N-Nitrosodiphenylamine	<190	*	190	46	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Phenanthrene	**7.7**	**J**	38	5.4	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Phenol	<190		190	86	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1
Pyrene	<38		38	7.7	ug/Kg	☼	02/04/20 18:12	02/06/20 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*31 - 143*	*02/04/20 18:12*	*02/06/20 14:41*	*1*
2-Fluorobiphenyl	*71*		*43 - 145*	*02/04/20 18:12*	*02/06/20 14:41*	*1*
2-Fluorophenol	*76*		*31 - 166*	*02/04/20 18:12*	*02/06/20 14:41*	*1*
Nitrobenzene-d5	*64*		*37 - 147*	*02/04/20 18:12*	*02/06/20 14:41*	*1*
Phenol-d5	*64*		*30 - 153*	*02/04/20 18:12*	*02/06/20 14:41*	*1*
Terphenyl-d14	*146*		*42 - 157*	*02/04/20 18:12*	*02/06/20 14:41*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:36	02/10/20 11:10	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 11:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 11:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 11:10	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 11:10	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 11:10	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 11:10	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 11:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 11:10	1
Manganese	**0.93**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 11:10	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 11:10	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 11:10	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 11:10	1
Zinc	**0.042**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 11:10	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		02/08/20 16:30	02/10/20 10:36	1
Barium	**0.61**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 10:36	1
Beryllium	**0.010**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 10:36	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 10:36	1
Chromium	**0.21**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:36	1
Cobalt	**0.063**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:36	1
Copper	**0.30**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:36	1
Iron	**200**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 10:36	1
Lead	**0.12**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 10:36	1
Manganese	**1.0**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:36	1
Nickel	**0.23**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:36	1
Selenium	<0.050	F1	0.050	0.020	mg/L		02/08/20 16:30	02/10/20 10:36	1

Client Sample ID: CR-1(5-9)-012820

Date Collected: 01/28/20 09:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-9

Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:36	1
Zinc	**0.54**	**B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 10:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.64**	**J**	1.1	0.21	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Arsenic	**4.4**		0.55	0.19	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Barium	**38**		0.55	0.063	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Beryllium	**0.79**		0.22	0.052	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Cadmium	**0.18**	**B**	0.11	0.020	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Calcium	**69000**	**B**	110	19	mg/Kg	☼	02/03/20 07:16	02/04/20 14:40	10
Chromium	**18**		0.55	0.27	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Cobalt	**7.3**		0.28	0.072	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Copper	**21**		0.55	0.15	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Iron	**15000**		11	5.7	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Lead	**12**		0.28	0.13	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Magnesium	**28000**		5.5	2.7	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Manganese	**260**	**B**	0.55	0.080	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Nickel	**26**		0.55	0.16	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Potassium	**3300**		28	9.8	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Silver	**2.8**		0.28	0.071	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Sodium	**630**		55	8.2	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Vanadium	**23**		0.28	0.065	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1
Zinc	**51**		1.1	0.48	mg/Kg	☼	02/03/20 07:16	02/04/20 04:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/13/20 10:55	02/14/20 08:57	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		02/13/20 16:40	02/14/20 10:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**27**		19	6.3	ug/Kg	☼	02/13/20 16:05	02/14/20 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**		0.2	0.2	SU			02/04/20 16:25	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177008-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street. University Park. IL 604
Phone: 708.534.5200 Fax: 708.534.5

500-177008 COC

(optional)
Report To
Contact: Andrus Sieseus
Company: Weston Solutions, Inc.
Address: 300 Plaza Circle. Ste.
Address: 202. Mandelein, IL
Phone: 224-864-7201
Fax:
E-Mail: Andrus.Sieseus@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-177008
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 2.9

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max Dehio
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		VL55-1(0-2)-012820	1/28/20	0820	6	S	x	x	x	x	x					
2		VL55-2(0-2)-012820		0825	6											
3		VL55-3(0-3)-012820		0840	6											
4		CT-1(0-2)-012820		0845	6											
5		CR-2(0-5)-012820		0910	6											
6		CR-2(0-5)-012820D		0910	6											
7		CR-2(5-9)-012820		0915	6											
8		CR-1(0-5)-012820		0930	6											
9		CR-1(5-9)-012820		0940	6											
		~~CB43-1(0-2)-012820~~		~~0945~~	~~6~~											RW 1/28

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
[signature]	Weston Sol.	1/28/20	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	Shiri Scott	TA-CHI	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

TestAmerica
THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.5

500-177008 COC

(optional)
Report To
Contact: Andris Siesevs
Company: Weston Solutions, Inc.
Address: 300 Plaza Circle, Ste.
Address: 202, Mandelein, IL
Phone: 224-864-7201
Fax:
E-Mail: Andris.Siesevs@westonsolutions.com

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

Chain of Custody Record

Lab Job #: 500-177008
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 2.9

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max Dehro
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		VL55-1(0-2)-012820	1/28/20	0820	6	S	x	x	x	x	x					
2		VL55-2(0-2)-012820		0825	6											
3		VL55-3(0-3)-012820		0840	6											
4		CT-1(0-2)-012820		0845	6											
5		CR-2(0-5)-012820		0910	6											
6		CR-2(0-5)-012820D		0910	6											
7		CR-2(5-9)-012820		0915	6											
8		CR-1(0-5)-012820		0930	6											
9		CR-1(5-9)-012820		0940	6											
		~~CB43-1(0-2)-012820~~		~~0945~~	~~6~~											RW 1/28

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
[signature]	Weston Sol.	1/28/20	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	Shiri Scott	TA-CHI	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

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 #: 500-177008

Chain of Custody Number:

Page ____ of ____

Temperature °C of Cooler:

(optional) Report To	(optional) Bill To
Contact: Andris Siesers	Contact: SAME
Company: Weston Solutions, Inc.	Company:
Address: 300 Plaza Circle Ste 202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax:	Fax:
E-Mail: Andris.Siesers@westonsolutions.com	PO#/Reference#:

Client	Client Project #
Weston Solutions, Inc	02056.016.008
Project Name: IDOT Grayslake, IL	
Project Location/State: Grayslake, IL	Lab Project #:
Sampler: Max Dekio	Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
		~~SQ-1(0-5)-012820~~	~~1/28/20~~	~~0950~~	~~6~~	~~5~~	~~x~~	~~x~~	~~x~~	~~x~~	~~x~~					RW 1/28

1/28/20

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
[signature]	Weston Sol.	1/28/20	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	[signature]	TA CRT	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Starbucks - 775 E. Belvidere Road (ISGS Site No. 3079V2-20)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

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

Latitude: 42.33655 (Decimal Degrees) Longitude: - 88.02982 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

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

Estimated Volume of debris (cu. Yd.): 72

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33655 Longitude: - 88.02982

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATION SB-1 WAS SAMPLED ALONG THE STARBUCKS ROW. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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: 500-176790-1. ALSO SEE FIGURE 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 24, 2023
Date:

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

Summary Table of Starbucks (ISGS Site No. 3079V-20)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SB-1
Sample Date		1/22/2020
Field Sample ID		SB-1(0-2)-012220
ISGS Site No.		3079V-20
Laboratory pH	<6.25, >9.0	8.0
VOCs		**No Exceedances**
SVOCs (mg/kg)		
2,4,5-Trichlorophenol	26	ND
2,4,6-Trichlorophenol	0.66	ND
2,4-Dichlorophenol	1	ND
2-Methylnaphthalene	---	ND
4,6-Dinitro-2-methylphenol	---	ND
Acenaphthene	570	ND
Acenaphthylene	---	0.0068 J
Anthracene	12000	0.012 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.1
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.15
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.25
Benzo(g,h,i)perylene	---	0.082
Benzo(k)fluoranthene	9	0.064
bis(2-Ethylhexyl)phthalate	46	ND
Butyl benzyl phthalate	930	ND
Carbazole	0.6	ND
Chrysene	88	0.14
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	0.0095 J
Dibenzofuran	---	ND
Di-N-Butyl phthalate	2300	ND
Fluoranthene	3100	0.23
Fluorene	560	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.072
Naphthalene	1.8	ND
Pentachlorophenol	0.03	ND
Phenanthrene	---	0.09
Pyrene	2300	0.21
Pesticides (mg/kg)		
4,4-DDD	3	---
4,4-DDE	2	---
Dieldrin	0.603	---
PCBs (mg/kg)		
Aroclor-1248	1	---
Total Inorganics (mg/kg)		
Aluminum, Total	---	ND
Antimony, Total	5	0.5 J
Arsenic, Total	11.3 / 13.0	6.6
Barium, Total	1500	27
Beryllium, Total	22	0.44
Cadmium, Total	5.2	0.4 B
Calcium, Total	---	88000 B
Chromium, Total	21	10
Cobalt, Total	20	7.9
Copper, Total	2900	20
Cyanide, Total	0.2	---
Iron, Total	15000 / 15900	19000
Lead, Total	107	46
Magnesium, Total	325000	51000
Manganese, Total	630 / 636	580
Mercury, Total	0.89	0.052
Nickel, Total	100	21
Potassium, Total	---	1300
Selenium, Total	1.3	0.67
Silver, Total	4.4	1.2
Sodium, Total	---	200
Thallium, Total	2.6	0.43 J
Vanadium, Total	550	15
Zinc, Total	5100	100

Summary Table of Starbucks (ISGS Site No. 3079V-20)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SB-1
Sample Date		1/22/2020
Field Sample ID		SB-1(0-2)-012220
ISGS Site No.		3079V-20
TCLP Metals (mg/l)		
Arsenic, TCLP	0.05	ND
Barium, TCLP	2	0.38 J
Beryllium, TCLP	0.004	ND
Cadmium, TCLP	0.005	0.0024 J
Chromium, TCLP	0.1	ND
Cobalt, TCLP	1	ND
Copper, TCLP	0.65	ND
Iron, TCLP	5	ND
Lead, TCLP	0.0075	ND
Manganese, TCLP	0.15	0.73
Mercury, TCLP	0.002	ND
Nickel, TCLP	0.1	ND
Selenium, TCLP	0.05	ND
Silver, TCLP	0.05	ND
Thallium, TCLP	0.002	ND
Zinc, TCLP	5	0.35 J
SPLP Metals (mg/l)		
Arsenic, SPLP	0.05	0.022 J
Barium, SPLP	2	0.18 J
Beryllium, SPLP	0.004	ND
Cadmium, SPLP	0.005	ND
Chromium, SPLP	0.1	0.054
Cobalt, SPLP	1	0.016 J
Copper, SPLP	0.65	0.075
Iron, SPLP	5	59
Lead, SPLP	0.0075	0.16
Manganese, SPLP	0.15	0.36
Mercury, SPLP	0.002	0.00022
Nickel, SPLP	0.1	0.052
Selenium, SPLP	0.05	ND
Silver, SPLP	0.05	ND
Thallium, SPLP	0.002	ND
Zinc, SPLP	5	0.43 J

Notes:

--- - not applicable or value not available.
Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.
ND - Constituent not detected above the reporting limit.
J - Estimated concentration.
Yellow shaded values indicate concentration exceeds MAC Table 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: 500-176790-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
2/6/2020 4:36:29 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: SB-1(0-2)-012220

Date Collected: 01/22/20 14:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-7

Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,1,2-Trichloroethane	<1.8		1.8	0.76	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,3-Dichloropropene, Total	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Acetone	<18		18	7.7	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Carbon disulfide	<4.4		4.4	0.92	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Ethylbenzene	<1.8		1.8	0.85	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Methyl Ethyl Ketone	<4.4		4.4	2.0	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Vinyl chloride	<1.8		1.8	0.78	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Xylenes, Total	<3.5		3.5	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*	*01/23/20 16:35*	*01/31/20 07:04*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 131*	*01/23/20 16:35*	*01/31/20 07:04*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*01/23/20 16:35*	*01/31/20 07:04*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*01/31/20 07:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2,2'-oxybis[1-chloropropane]	<180	*	180	42	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Client Sample ID: SB-1(0-2)-012220
Date Collected: 01/22/20 14:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-7
Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2-Methylnaphthalene	<72		72	6.6	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2-Methylphenol	<180		180	57	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Acenaphthylene	**6.8**	**J**	36	4.7	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Anthracene	**12**	**J ***	36	6.0	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Benzo[a]anthracene	**100**		36	4.8	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Benzo[a]pyrene	**150**		36	6.9	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Benzo[b]fluoranthene	**250**		36	7.7	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Benzo[g,h,i]perylene	**82**		36	12	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Benzo[k]fluoranthene	**64**		36	11	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Carbazole	<180		180	90	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Chrysene	**140**		36	9.8	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Dibenz(a,h)anthracene	**9.5**	**J**	36	6.9	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Dibenzofuran	<180		180	42	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Fluoranthene	**230**		36	6.6	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Fluorene	<36		36	5.0	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Hexachloroethane	<180		180	54	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1

Client Sample ID: SB-1(0-2)-012220

Date Collected: 01/22/20 14:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-7

Matrix: Solid
Percent Solids: 89.5

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	**72**		36	9.3	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Isophorone	<180		180	40	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Naphthalene	<36		36	5.5	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
N-Nitrosodiphenylamine	<180	*	180	42	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Phenanthrene	**90**		36	5.0	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Phenol	<180		180	80	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1
Pyrene	**210**		36	7.1	ug/Kg	☼	01/31/20 07:50	02/03/20 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*31 - 143*	*01/31/20 07:50*	*02/03/20 12:54*	*1*
2-Fluorobiphenyl	*79*		*43 - 145*	*01/31/20 07:50*	*02/03/20 12:54*	*1*
2-Fluorophenol	*93*		*31 - 166*	*01/31/20 07:50*	*02/03/20 12:54*	*1*
Nitrobenzene-d5	*73*		*37 - 147*	*01/31/20 07:50*	*02/03/20 12:54*	*1*
Phenol-d5	*91*		*30 - 153*	*01/31/20 07:50*	*02/03/20 12:54*	*1*
Terphenyl-d14	*103*		*42 - 157*	*01/31/20 07:50*	*02/03/20 12:54*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 18:20	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 18:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 18:20	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 18:20	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:20	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:20	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:20	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 18:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 18:20	1
Manganese	**0.73**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:20	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:20	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 18:20	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:20	1
Zinc	**0.35**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 18:20	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		01/31/20 15:46	02/03/20 15:57	1
Barium	**0.18**	**J**	0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:57	1
Chromium	**0.054**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:57	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:57	1
Copper	**0.075**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:57	1
Iron	**59**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:57	1
Lead	**0.16**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:57	1
Manganese	**0.36**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:57	1
Nickel	**0.052**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:57	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:57	1

Client Sample ID: SB-1(0-2)-012220

Date Collected: 01/22/20 14:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-7

Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:57	1
Zinc	**0.43**	**J**	0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.50**	**J**	1.0	0.20	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Arsenic	**6.6**		0.51	0.18	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Barium	**27**		0.51	0.059	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Beryllium	**0.44**		0.21	0.048	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Cadmium	**0.40**	**B**	0.10	0.018	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Calcium	**88000**	**B**	100	17	mg/Kg	☼	01/27/20 07:36	01/30/20 16:07	10
Chromium	**10**		0.51	0.25	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Cobalt	**7.9**		0.26	0.067	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Copper	**20**		0.51	0.14	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Iron	**19000**		100	53	mg/Kg	☼	01/27/20 07:36	01/30/20 16:07	10
Lead	**46**		0.26	0.12	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Magnesium	**51000**		51	25	mg/Kg	☼	01/27/20 07:36	01/30/20 16:07	10
Manganese	**580**		0.51	0.074	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Nickel	**21**		0.51	0.15	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Potassium	**1300**		26	9.1	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Selenium	**0.67**		0.51	0.30	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Silver	**1.2**		0.26	0.066	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Sodium	**200**		51	7.6	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Thallium	**0.43**	**J**	0.51	0.26	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Vanadium	**15**		0.26	0.061	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	1
Zinc	**100**		1.0	0.45	mg/Kg	☼	01/27/20 07:36	01/30/20 03:32	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		02/04/20 10:25	02/05/20 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.22**		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**52**		17	5.8	ug/Kg	☼	02/04/20 13:55	02/05/20 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			01/29/20 20:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
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)

TestAmerica

THE LEADER IN ENVIRONMENTA

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-176790 COC

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176790

Chain of Custody Number:

Page 5 of 5

Temperature °C of Cooler: 2.6, 5.7, 4.5, 5.1, 3.7

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D + Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		AL44-3(0-2)-012220	1/22/20	1525	6	S	x	x	x	x	x					
2		AL44-2(0-3)-012220		1530	6											
3		AL44-1(0-2)-012220		1535	6											
4		AL45-12(0-6)-012220		1515	5											
5		AL45-11(0-5)-012220		1505	6											
6		AL45-10(0-4)-012220		1500	6											
* 7		SB-1(0-2)-012220		1445	5											SB-1(0-2)-012220
8		AL44-9(0-2)-012220		1430	5											
9		AL44-8(0-2)-012220		1420	5											
10		AL44-7(0-2)-012220		1415	5											

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
[signature]	Weston	1/22/20	1730	Timothy A. Walls	Weston	1-22-20	1730
Timothy A. Walls	Weston	1-23-20	1137	P. Neal	TA	1/23/20	1137
P. Neal	TA	1/23/20	1323	Sheri Scott	TA CHI	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124 500 (1209)

2/6/2020

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Commercial Buildings - 791-817 E. Belvidere Road (ISGS Site Nos. 3079V2-21 and 3079V2-23)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

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

Latitude: 42.33641 (Decimal Degrees) Longitude: - 88.02893 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

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

Estimated Volume of debris (cu. Yd.): 298

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33641 Longitude: - 88.02893

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATION CB23-1 WAS SAMPLED ALONG THE COMMERCIAL BUILDING ROW. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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: 500-176711-1. ALSO SEE FIGURE 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

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

Summary Table of Commercial Buildings (ISGS Site Nos. 3079V2-21 and 3079V2-23)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CB23-1
Sample Date		1/21/2020
Field Sample ID		CB23-1(0-4)-012120
ISGS Site No.		3079V2-23
Laboratory pH	<6.25, >9.0	8.7
VOCs		**No Exceedances**
SVOCs (mg/kg)		
2,4,5-Trichlorophenol	26	ND
2,4,6-Trichlorophenol	0.66	ND
2,4-Dichlorophenol	1	ND
2-Methylnaphthalene	---	0.012 J
4,6-Dinitro-2-methylphenol	---	ND
Acenaphthene	570	ND
Acenaphthylene	---	0.015 J
Anthracene	12000	0.0075 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.028 J
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.04
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.046
Benzo(g,h,i)perylene	---	0.026 J
Benzo(k)fluoranthene	9	0.019 J
bis(2-Ethylhexyl)phthalate	46	ND
Butyl benzyl phthalate	930	ND
Carbazole	0.6	ND
Chrysene	88	0.046
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND
Dibenzofuran	---	ND
Di-N-Butyl phthalate	2300	ND
Fluoranthene	3100	0.1
Fluorene	560	0.017 J
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.021 J
Naphthalene	1.8	0.013 J
Pentachlorophenol	0.03	ND
Phenanthrene	---	0.07
Pyrene	2300	0.06
Pesticides (mg/kg)		
4,4-DDD	3	---
4,4-DDE	2	---
Dieldrin	0.603	---
PCBs (mg/kg)		
Aroclor-1248	1	---
Total Inorganics (mg/kg)		
Aluminum, Total	---	ND
Antimony, Total	5	0.3 J
Arsenic, Total	11.3 / 13.0	8.3
Barium, Total	1500	59
Beryllium, Total	22	0.93
Cadmium, Total	5.2	0.27
Calcium, Total	---	57000 B
Chromium, Total	21	19
Cobalt, Total	20	12
Copper, Total	2900	23
Cyanide, Total	0.2	---
Iron, Total	15000 / 15900	19000
Lead, Total	107	39
Magnesium, Total	325000	22000
Manganese, Total	630 / 636	450
Mercury, Total	0.89	0.056
Nickel, Total	100	30
Potassium, Total	---	2800
Selenium, Total	1.3	ND
Silver, Total	4.4	3
Sodium, Total	---	2200
Thallium, Total	2.6	0.35 J
Vanadium, Total	550	27
Zinc, Total	5100	66

Summary Table of Commercial Buildings (ISGS Site Nos. 3079V2-21 and 3079V2-23)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CB23-1
Sample Date		1/21/2020
Field Sample ID		CB23-1(0-4)-012120
ISGS Site No.		3079V2-23
TCLP Metals (mg/l)		
Arsenic, TCLP	0.05	ND
Barium, TCLP	2	0.49 J
Beryllium, TCLP	0.004	ND
Cadmium, TCLP	0.005	ND
Chromium, TCLP	0.1	ND
Cobalt, TCLP	1	0.025
Copper, TCLP	0.65	ND
Iron, TCLP	5	ND
Lead, TCLP	0.0075	0.0091
Manganese, TCLP	0.15	8.3
Mercury, TCLP	0.002	ND
Nickel, TCLP	0.1	0.015 J
Selenium, TCLP	0.05	ND
Silver, TCLP	0.05	ND
Thallium, TCLP	0.002	ND
Zinc, TCLP	5	ND
SPLP Metals (mg/l)		
Arsenic, SPLP	0.05	0.058
Barium, SPLP	2	0.54
Beryllium, SPLP	0.004	0.0078
Cadmium, SPLP	0.005	ND
Chromium, SPLP	0.1	0.16
Cobalt, SPLP	1	0.067
Copper, SPLP	0.65	0.16
Iron, SPLP	5	150
Lead, SPLP	0.0075	0.13
Manganese, SPLP	0.15	1.3
Mercury, SPLP	0.002	0.00022
Nickel, SPLP	0.1	0.18
Selenium, SPLP	0.05	ND
Silver, SPLP	0.05	ND
Thallium, SPLP	0.002	ND
Zinc, SPLP	5	0.38 J

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-176711-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
1/31/2020 6:08:03 PM

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

LINKS

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Have a Question? Ask The Expert

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: CB23-1(0-4)-012120

Date Collected: 01/21/20 14:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-4

Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
1,1,2-Trichloroethane	<1.9		1.9	0.80	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
1,1-Dichloroethane	<1.9		1.9	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
1,1-Dichloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
1,2-Dichloropropane	<1.9		1.9	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
1,3-Dichloropropene, Total	<1.9		1.9	0.66	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Acetone	**36**		19	8.1	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Benzene	<1.9		1.9	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Bromoform	<1.9		1.9	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Carbon disulfide	<4.7		4.7	0.97	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Carbon tetrachloride	<1.9		1.9	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Chlorobenzene	<1.9		1.9	0.69	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Chloroethane	<4.7		4.7	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Chloroform	<1.9		1.9	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Chloromethane	<4.7		4.7	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
cis-1,2-Dichloroethene	<1.9		1.9	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
cis-1,3-Dichloropropene	<1.9		1.9	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Ethylbenzene	<1.9		1.9	0.89	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Methyl Ethyl Ketone	**7.6**		4.7	2.1	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Methyl tert-butyl ether	<1.9		1.9	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Methylene Chloride	<4.7		4.7	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Styrene	<1.9		1.9	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Tetrachloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
trans-1,2-Dichloroethene	<1.9		1.9	0.83	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
trans-1,3-Dichloropropene	<1.9		1.9	0.66	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Trichloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Vinyl chloride	<1.9		1.9	0.83	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1
Xylenes, Total	<3.7		3.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*	*01/22/20 17:10*	*01/30/20 06:20*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/22/20 17:10*	*01/30/20 06:20*	*1*
Dibromofluoromethane	*107*		*75 - 126*	*01/22/20 17:10*	*01/30/20 06:20*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*01/22/20 17:10*	*01/30/20 06:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176711-1

Client Sample ID: CB23-1(0-4)-012120
Date Collected: 01/21/20 14:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-4
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2-Methylnaphthalene	**12**	**J**	81	7.4	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
4-Nitrophenol	<810	*	810	380	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Acenaphthylene	**15**	**J**	40	5.3	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Anthracene	**7.5**	**J**	40	6.7	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Benzo[a]anthracene	**28**	**J**	40	5.4	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Benzo[a]pyrene	**40**		40	7.8	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Benzo[b]fluoranthene	**46**		40	8.7	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Benzo[g,h,i]perylene	**26**	**J**	40	13	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Benzo[k]fluoranthene	**19**	**J**	40	12	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Carbazole	<200		200	100	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Chrysene	**46**		40	11	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Fluoranthene	**100**		40	7.4	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Fluorene	**17**	**J**	40	5.6	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Hexachloroethane	<200		200	61	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1

Client Sample ID: CB23-1(0-4)-012120
Date Collected: 01/21/20 14:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-4
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**21**	**J**	40	10	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Isophorone	<200		200	45	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Naphthalene	**13**	**J**	40	6.2	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Nitrobenzene	<40		40	10	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Phenanthrene	**70**		40	5.6	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Phenol	<200		200	89	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1
Pyrene	**60**		40	8.0	ug/Kg	☼	01/28/20 18:33	01/29/20 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*109*		*31 - 143*	*01/28/20 18:33*	*01/29/20 18:38*	*1*
2-Fluorobiphenyl	*78*		*43 - 145*	*01/28/20 18:33*	*01/29/20 18:38*	*1*
2-Fluorophenol	*80*		*31 - 166*	*01/28/20 18:33*	*01/29/20 18:38*	*1*
Nitrobenzene-d5	*70*		*37 - 147*	*01/28/20 18:33*	*01/29/20 18:38*	*1*
Phenol-d5	*66*		*30 - 153*	*01/28/20 18:33*	*01/29/20 18:38*	*1*
Terphenyl-d14	*122*		*42 - 157*	*01/28/20 18:33*	*01/29/20 18:38*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/29/20 15:09	01/30/20 12:10	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		01/29/20 15:09	01/30/20 12:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/29/20 15:09	01/30/20 12:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:09	01/30/20 12:10	1
Chromium	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:10	1
Cobalt	**0.025**		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:10	1
Copper	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:10	1
Iron	<0.40		0.40	0.20	mg/L		01/29/20 15:09	01/30/20 12:10	1
Lead	**0.0091**		0.0075	0.0075	mg/L		01/29/20 15:09	01/30/20 12:10	1
Manganese	**8.3**		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:10	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:10	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:09	01/30/20 12:10	1
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:10	1
Zinc	**0.21**	**J B**	0.50	0.020	mg/L		01/29/20 15:09	01/30/20 12:10	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		01/29/20 15:05	01/30/20 15:58	1
Barium	**0.54**		0.50	0.050	mg/L		01/29/20 15:05	01/30/20 15:58	1
Beryllium	**0.0078**		0.0040	0.0040	mg/L		01/29/20 15:05	01/30/20 15:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:05	01/30/20 15:58	1
Chromium	**0.16**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:58	1
Cobalt	**0.067**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:58	1
Copper	**0.16**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:58	1
Iron	**150**		0.40	0.20	mg/L		01/29/20 15:05	01/30/20 15:58	1
Lead	**0.13**		0.0075	0.0075	mg/L		01/29/20 15:05	01/30/20 15:58	1
Manganese	**1.3**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:58	1
Nickel	**0.18**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:58	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:05	01/30/20 15:58	1

Client Sample ID: CB23-1(0-4)-012120

Date Collected: 01/21/20 14:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-4

Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:58	1
Zinc	**0.38**	**J ^**	0.50	0.020	mg/L		01/29/20 15:05	01/30/20 15:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.30**	**J**	1.2	0.24	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Arsenic	**8.3**		0.61	0.21	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Barium	**59**		0.61	0.069	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Beryllium	**0.93**		0.24	0.057	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Cadmium	**0.27**		0.12	0.022	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Calcium	**57000**	**B**	120	21	mg/Kg	☼	01/24/20 07:31	01/27/20 12:14	10
Chromium	**19**		0.61	0.30	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Cobalt	**12**		0.30	0.079	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Copper	**23**		0.61	0.17	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Iron	**19000**		12	6.3	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Lead	**39**		0.30	0.14	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Magnesium	**22000**		6.1	3.0	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Manganese	**450**		0.61	0.088	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Nickel	**30**		0.61	0.18	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Potassium	**2800**		30	11	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Selenium	<0.61		0.61	0.36	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Silver	**3.0**		0.30	0.078	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Sodium	**2200**		61	9.0	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Thallium	**0.35**	**J**	0.61	0.30	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Vanadium	**27**		0.30	0.071	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	1
Zinc	**66**		1.2	0.53	mg/Kg	☼	01/24/20 07:31	01/25/20 03:00	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		01/30/20 10:35	01/31/20 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.22**		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 08:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**56**		19	6.4	ug/Kg	☼	01/29/20 14:20	01/30/20 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**		0.2	0.2	SU			01/28/20 17:52	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176711-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-176711 COC

(optional)
Report To
Contact: Andrus Siesers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176711
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 45,43,5.6

Client: Weston Solutions, Inc
Client Project #: 02056.016.009
Project Name: IDOT Grayslake
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D+Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		AL44-10(0-3)-012120	1/21/20	1520	5	S	X	X	X	X	X					
2		CP24-1(0-4)-012120		1510												
3		CP24-2(0-4)-012120		1505												
4		CB23-1(0-4)-012120		1450												
5		R39-1(0-4)-012120		1435												
6		R42-1(0-5)-012120		1420												
7		R42-2(0-5)-012120		1410												
8		SQ-2(0-5)-012120		1400												
9		SQ-2(0-5)-012120D		1400												
10		CM-4(0-3)-012120		1325												

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
[signature]	Weston	1/21/20	1700	[signature]	Weston	1-21-20	1700
[signature]	Weston	1-22-20	1115	[signature]	TA	1-22-20	1115
[signature]	TA	1-22-20	1415	[signature]	TACHI	1/22/20	1415

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
Some T-kits have gray vial, and some do not. MD verified that this is ok with QW.

Lab Comments:

TAL-4124-500 (1209)

1/31/2020

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Commercial Plaza- 831-885 E. Belvidere Road (ISGS Site No. 3079V2-24)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

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

Latitude: 42.33093 (Decimal Degrees) Longitude: - 88.02718 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

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

Estimated Volume of debris (cu. Yd.): 30

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33093 Longitude: - 88.02718

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATION AL44-10 WAS SAMPLED ALONG THE COMMERCIAL PLAZA ROW. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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 REPORTS - JOB ID: 500-176711-1. ALSO SEE FIGURE 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 24, 2023
Date:

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

Summary Table of Commercial Plaza (ISGS Site No. 3079V-24)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL44-10
Sample Date		1/21/2020
Field Sample ID		AL44-10(0-3)-012120
ISGS Site No.		3079V-44
Laboratory pH	<6.25, >9.0	8.3
VOCs		
SVOCs (mg/kg)		
2,4,5-Trichlorophenol	26	ND
2,4,6-Trichlorophenol	0.66	ND
2,4-Dichlorophenol	1	ND
2-Methylnaphthalene	---	ND
4,6-Dinitro-2-methylphenol	---	ND
Acenaphthene	570	ND
Acenaphthylene	---	ND
Anthracene	12000	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.014 J
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.023 J
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.03 J
Benzo(g,h,i)perylene	---	0.023 J
Benzo(k)fluoranthene	9	0.02 J
bis(2-Ethylhexyl)phthalate	46	ND
Butyl benzyl phthalate	930	ND
Carbazole	0.6	ND
Chrysene	88	0.022 J
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	0.013 J
Dibenzofuran	---	ND
Di-N-Butyl phthalate	2300	ND
Fluoranthene	3100	0.013 J
Fluorene	560	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.028 J
Naphthalene	1.8	ND
Pentachlorophenol	0.03	ND
Phenanthrene	---	ND
Pyrene	2300	0.017 J
Pesticides (mg/kg)		
4,4-DDD	3	---
4,4-DDE	2	---
Dieldrin	0.603	---
PCBs (mg/kg)		
Aroclor-1248	1	---
Total Inorganics (mg/kg)		
Aluminum, Total	---	ND
Antimony, Total	5	0.44 J
Arsenic, Total	11.3 / 13.0	3.9
Barium, Total	1500	54
Beryllium, Total	22	0.81
Cadmium, Total	5.2	0.15
Calcium, Total	---	86000 B
Chromium, Total	21	18
Cobalt, Total	20	8.9
Copper, Total	2900	14
Cyanide, Total	0.2	---
Iron, Total	15000 / 15900	15000
Lead, Total	107	9.9
Magnesium, Total	325000	32000
Manganese, Total	630 / 636	370
Mercury, Total	0.89	0.014 J
Nickel, Total	100	27
Potassium, Total	---	3100
Selenium, Total	1.3	ND
Silver, Total	4.4	2.7
Sodium, Total	---	1400
Thallium, Total	2.6	ND
Vanadium, Total	550	21
Zinc, Total	5100	43

Summary Table of Commercial Plaza (ISGS Site No. 3079V-24)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL44-10
Sample Date		1/21/2020
Field Sample ID		AL44-10(0-3)-012120
ISGS Site No.		3079V-44
TCLP Metals (mg/l)		
Arsenic, TCLP	0.05	ND
Barium, TCLP	2	0.37 J
Beryllium, TCLP	0.004	ND
Cadmium, TCLP	0.005	ND
Chromium, TCLP	0.1	ND
Cobalt, TCLP	1	ND
Copper, TCLP	0.65	ND
Iron, TCLP	5	ND
Lead, TCLP	0.0075	ND
Manganese, TCLP	0.15	1.8
Mercury, TCLP	0.002	ND
Nickel, TCLP	0.1	ND
Selenium, TCLP	0.05	ND
Silver, TCLP	0.05	ND
Thallium, TCLP	0.002	ND
Zinc, TCLP	5	0.27 J
SPLP Metals (mg/l)		
Arsenic, SPLP	0.05	0.077
Barium, SPLP	2	0.72
Beryllium, SPLP	0.004	0.012
Cadmium, SPLP	0.005	ND
Chromium, SPLP	0.1	0.24
Cobalt, SPLP	1	0.089
Copper, SPLP	0.65	0.22
Iron, SPLP	5	210
Lead, SPLP	0.0075	0.1
Manganese, SPLP	0.15	1.5
Mercury, SPLP	0.002	ND
Nickel, SPLP	0.1	0.27
Selenium, SPLP	0.05	ND
Silver, SPLP	0.05	0.013 J
Thallium, SPLP	0.002	ND
Zinc, SPLP	5	0.41 J

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-176711-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
1/31/2020 6:08:03 PM

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

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: AL44-10(0-3)-012120

Date Collected: 01/21/20 15:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-1

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Acetone	**10**	**J**	15	6.6	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*01/22/20 17:10*	*01/30/20 05:04*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/22/20 17:10*	*01/30/20 05:04*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*01/22/20 17:10*	*01/30/20 05:04*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*01/22/20 17:10*	*01/30/20 05:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176711-1

Client Sample ID: AL44-10(0-3)-012120
Date Collected: 01/21/20 15:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-1
Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Methylphenol	<190		190	60	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Nitroaniline	<190	*	190	50	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
3,3'-Dichlorobenzidine	<190	*	190	52	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Chloro-3-methylphenol	<370	*	370	130	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Nitrophenol	<750	*	750	350	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Anthracene	<37		37	6.2	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Benzo[a]anthracene	**14**	**J**	37	5.0	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Benzo[a]pyrene	**23**	**J**	37	7.2	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Benzo[b]fluoranthene	**30**	**J**	37	8.0	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Benzo[g,h,i]perylene	**23**	**J**	37	12	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Benzo[k]fluoranthene	**20**	**J**	37	11	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Carbazole	<190	*	190	93	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Chrysene	**22**	**J**	37	10	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Dibenz(a,h)anthracene	**13**	**J**	37	7.2	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Dibenzofuran	<190		190	44	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Fluoranthene	**13**	**J**	37	6.9	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Fluorene	<37		37	5.2	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Hexachloroethane	<190		190	57	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1

Client Sample ID: AL44-10(0-3)-012120

Date Collected: 01/21/20 15:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-1

Matrix: Solid
Percent Solids: 85.3

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	**28**	**J**	37	9.6	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Isophorone	<190	*	190	42	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Naphthalene	<37		37	5.7	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Nitrobenzene	<37	*	37	9.3	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
N-Nitrosodiphenylamine	<190	*	190	44	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Phenol	<190		190	83	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Pyrene	**17**	**J**	37	7.4	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*31 - 143*	*01/24/20 15:43*	*01/27/20 16:53*	*1*
2-Fluorobiphenyl	*97*		*43 - 145*	*01/24/20 15:43*	*01/27/20 16:53*	*1*
2-Fluorophenol	*114*		*31 - 166*	*01/24/20 15:43*	*01/27/20 16:53*	*1*
Nitrobenzene-d5	*98*		*37 - 147*	*01/24/20 15:43*	*01/27/20 16:53*	*1*
Phenol-d5	*109*		*30 - 153*	*01/24/20 15:43*	*01/27/20 16:53*	*1*
Terphenyl-d14	*134*		*42 - 157*	*01/24/20 15:43*	*01/27/20 16:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		01/29/20 15:09	01/30/20 11:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/29/20 15:09	01/30/20 11:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:09	01/30/20 11:48	1
Chromium	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Cobalt	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Copper	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Iron	<0.40		0.40	0.20	mg/L		01/29/20 15:09	01/30/20 11:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/29/20 15:09	01/30/20 11:48	1
Manganese	**1.8**		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Nickel	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:09	01/30/20 11:48	1
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Zinc	**0.27**	**J B**	0.50	0.020	mg/L		01/29/20 15:09	01/30/20 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.077**		0.050	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Barium	**0.72**		0.50	0.050	mg/L		01/29/20 15:05	01/30/20 15:47	1
Beryllium	**0.012**		0.0040	0.0040	mg/L		01/29/20 15:05	01/30/20 15:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:05	01/30/20 15:47	1
Chromium	**0.24**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Cobalt	**0.089**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Copper	**0.22**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Iron	**210**		0.40	0.20	mg/L		01/29/20 15:05	01/30/20 15:47	1
Lead	**0.10**		0.0075	0.0075	mg/L		01/29/20 15:05	01/30/20 15:47	1
Manganese	**1.5**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Nickel	**0.27**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:05	01/30/20 15:47	1

Client Sample ID: AL44-10(0-3)-012120

Date Collected: 01/21/20 15:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-1

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.013	J	0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Zinc	0.41	J	0.50	0.020	mg/L		01/29/20 15:05	01/31/20 10:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.2	0.23	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Arsenic	3.9		0.58	0.20	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Barium	54		0.58	0.066	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Beryllium	0.81		0.23	0.054	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Cadmium	0.15		0.12	0.021	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Calcium	86000	B	120	20	mg/Kg	☼	01/24/20 07:31	01/27/20 12:05	10
Chromium	18		0.58	0.29	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Cobalt	8.9		0.29	0.076	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Copper	14		0.58	0.16	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Iron	15000		12	6.0	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Lead	9.9		0.29	0.13	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Magnesium	32000		5.8	2.9	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Manganese	370		0.58	0.084	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Nickel	27		0.58	0.17	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Potassium	3100		29	10	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Silver	2.7		0.29	0.075	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Sodium	1400		58	8.6	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Vanadium	21		0.29	0.069	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Zinc	43		1.2	0.51	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	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		01/30/20 10:35	01/31/20 09:40	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		01/30/20 10:35	01/31/20 08:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	19	6.2	ug/Kg	☼	01/29/20 14:20	01/30/20 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			01/28/20 16:55	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176711-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-176711 COC

(optional)
Report To
Contact: Andrus Siesers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176711
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 45,43,5.6

Client: Weston Solutions, Inc
Client Project #: 02056.016.009
Project Name: IDOT Grayslake
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D+Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		AL44-10(0-3)-012120	1/21/20	1520	5	S	X	X	X	X	X					
2		CP24-1(0-4)-012120		1510												
3		CP24-2(0-4)-012120		1505												
4		CB23-1(0-4)-012120		1450												
5		R39-1(0-4)-012120		1435												
6		R42-1(0-5)-012120		1420												
7		R42-2(0-5)-012120		1410												
8		SQ-2(0-5)-012120		1400												
9		SQ-2(0-5)-012120D		1400												
10		CM-4(0-3)-012120		1325												

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
[signature]	Weston	1/21/20	1700	[signature]	Weston	1-21-20	1700
[signature]	Weston	1-22-20	1115	[signature]	TA	1-22-20	1115
[signature]	TA	1-22-20	1415	[signature]	TACHI	1/22/20	1415

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
Some T-kits have gray vial, and some do not. MD verified that this is ok with QW.

Lab Comments:

TAL-4124-500 (1209)

1/31/2020

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Residence - 3350-360 Ivanhoe Road (ISGS Site No. 3079V2-39)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

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

Latitude: 42.33495 (Decimal Degrees) Longitude: - 88.02909 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

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

Estimated Volume of debris (cu. Yd.): 65

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33495 Longitude: - 88.02909

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATION R42-1 WAS SAMPLED ALONG THE RESIDNCE ROW. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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 REPORTS - JOB ID: 500-176711-1. ALSO SEE FIGURE 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

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

Summary Table of Residence (ISGS Site No. 3079V-39)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	R42-1
Sample Date		1/21/2020
Field Sample ID		R42-1(0-5)-012120
ISGS Site No.		3079V-42
Laboratory pH	<6.25, >9.0	8.5
VOCs		**No Exceedances**
SVOCs (mg/kg)		
2,4,5-Trichlorophenol	26	ND
2,4,6-Trichlorophenol	0.66	ND
2,4-Dichlorophenol	1	ND
2-Methylnaphthalene	---	ND
4,6-Dinitro-2-methylphenol	---	ND
Acenaphthene	570	ND
Acenaphthylene	---	ND
Anthracene	12000	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	ND
Benzo(g,h,i)perylene	---	ND
Benzo(k)fluoranthene	9	ND
bis(2-Ethylhexyl)phthalate	46	ND
Butyl benzyl phthalate	930	ND
Carbazole	0.6	ND
Chrysene	88	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND
Dibenzofuran	---	ND
Di-N-Butyl phthalate	2300	ND
Fluoranthene	3100	ND
Fluorene	560	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND
Naphthalene	1.8	ND
Pentachlorophenol	0.03	ND
Phenanthrene	---	ND
Pyrene	2300	ND
Pesticides (mg/kg)		
4,4-DDD	3	---
4,4-DDE	2	---
Dieldrin	0.603	---
PCBs (mg/kg)		
Aroclor-1248	1	---
Total Inorganics (mg/kg)		
Aluminum, Total	---	ND
Antimony, Total	5	ND
Arsenic, Total	11.3 / 13.0	5.4
Barium, Total	1500	38
Beryllium, Total	22	0.82
Cadmium, Total	5.2	0.15
Calcium, Total	---	76000 B
Chromium, Total	21	19
Cobalt, Total	20	12
Copper, Total	2900	21
Cyanide, Total	0.2	---
Iron, Total	15000 / 15900	16000
Lead, Total	107	11
Magnesium, Total	325000	30000
Manganese, Total	630 / 636	360
Mercury, Total	0.89	0.0085 J
Nickel, Total	100	30
Potassium, Total	---	3500
Selenium, Total	1.3	0.51 J
Silver, Total	4.4	2.9
Sodium, Total	---	890
Thallium, Total	2.6	ND
Vanadium, Total	550	23
Zinc, Total	5100	47

Summary Table of Residence (ISGS Site No. 3079V-39)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	R42-1
Sample Date		1/21/2020
Field Sample ID		R42-1(0-5)-012120
ISGS Site No.		3079V-42
TCLP Metals (mg/l)		
Arsenic, TCLP	0.05	ND
Barium, TCLP	2	0.39 J
Beryllium, TCLP	0.004	ND
Cadmium, TCLP	0.005	ND
Chromium, TCLP	0.1	ND
Cobalt, TCLP	1	ND
Copper, TCLP	0.65	ND
Iron, TCLP	5	ND
Lead, TCLP	0.0075	ND
Manganese, TCLP	0.15	0.97
Mercury, TCLP	0.002	ND
Nickel, TCLP	0.1	ND
Selenium, TCLP	0.05	ND
Silver, TCLP	0.05	ND
Thallium, TCLP	0.002	ND
Zinc, TCLP	5	ND
SPLP Metals (mg/l)		
Arsenic, SPLP	0.05	0.067
Barium, SPLP	2	0.39 J
Beryllium, SPLP	0.004	0.0089
Cadmium, SPLP	0.005	ND
Chromium, SPLP	0.1	0.18
Cobalt, SPLP	1	0.051
Copper, SPLP	0.65	0.18
Iron, SPLP	5	160
Lead, SPLP	0.0075	0.06
Manganese, SPLP	0.15	0.71
Mercury, SPLP	0.002	0.00047
Nickel, SPLP	0.1	0.18
Selenium, SPLP	0.05	ND
Silver, SPLP	0.05	ND
Thallium, SPLP	0.002	ND
Zinc, SPLP	5	0.36 J

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-176711-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
1/31/2020 6:08:03 PM

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

LINKS

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

Client Sample ID: R42-1(0-5)-012120

Date Collected: 01/21/20 14:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-6

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Acetone	**9.6**	**J**	16	6.9	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*	*01/22/20 17:10*	*01/30/20 06:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 131*	*01/22/20 17:10*	*01/30/20 06:46*	*1*
Dibromofluoromethane	*107*		*75 - 126*	*01/22/20 17:10*	*01/30/20 06:46*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*01/22/20 17:10*	*01/30/20 06:46*	*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	☼	01/28/20 18:33	01/29/20 19:15	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1

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Date Collected: 01/21/20 14:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-6
Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Methylphenol	<190		190	61	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Nitrophenol	<770	*	770	360	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Anthracene	<38		38	6.4	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Carbazole	<190		190	96	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Chrysene	<38		38	10	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Dibenzofuran	<190		190	45	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Fluorene	<38		38	5.4	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Hexachloroethane	<190		190	58	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1

Client Sample ID: R42-1(0-5)-012120

Date Collected: 01/21/20 14:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-6

Matrix: Solid
Percent Solids: 85.3

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	<38		38	9.9	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Isophorone	<190		190	43	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Naphthalene	<38		38	5.9	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Phenol	<190		190	85	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Pyrene	<38		38	7.6	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*31 - 143*	*01/28/20 18:33*	*01/29/20 19:15*	*1*
2-Fluorobiphenyl	*68*		*43 - 145*	*01/28/20 18:33*	*01/29/20 19:15*	*1*
2-Fluorophenol	*69*		*31 - 166*	*01/28/20 18:33*	*01/29/20 19:15*	*1*
Nitrobenzene-d5	*59*		*37 - 147*	*01/28/20 18:33*	*01/29/20 19:15*	*1*
Phenol-d5	*58*		*30 - 153*	*01/28/20 18:33*	*01/29/20 19:15*	*1*
Terphenyl-d14	*121*		*42 - 157*	*01/28/20 18:33*	*01/29/20 19:15*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		01/29/20 15:09	01/30/20 12:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/29/20 15:09	01/30/20 12:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:09	01/30/20 12:19	1
Chromium	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Cobalt	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Copper	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Iron	<0.40		0.40	0.20	mg/L		01/29/20 15:09	01/30/20 12:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/29/20 15:09	01/30/20 12:19	1
Manganese	**0.97**		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Nickel	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:09	01/30/20 12:19	1
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Zinc	<0.50		0.50	0.020	mg/L		01/29/20 15:09	01/30/20 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.067**		0.050	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		01/29/20 15:05	01/30/20 16:06	1
Beryllium	**0.0089**		0.0040	0.0040	mg/L		01/29/20 15:05	01/30/20 16:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:05	01/30/20 16:06	1
Chromium	**0.18**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Cobalt	**0.051**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Copper	**0.18**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Iron	**160**		0.40	0.20	mg/L		01/29/20 15:05	01/30/20 16:06	1
Lead	**0.060**		0.0075	0.0075	mg/L		01/29/20 15:05	01/30/20 16:06	1
Manganese	**0.71**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Nickel	**0.18**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:05	01/30/20 16:06	1

Client Sample ID: R42-1(0-5)-012120

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Lab Sample ID: 500-176711-6

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Zinc	**0.36**	**J ^**	0.50	0.020	mg/L		01/29/20 15:05	01/30/20 16:06	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	☼	01/24/20 07:31	01/25/20 03:08	1
Arsenic	**5.4**		0.55	0.19	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Barium	**38**		0.55	0.063	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Beryllium	**0.82**		0.22	0.052	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Cadmium	**0.15**		0.11	0.020	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Calcium	**76000**	**B**	110	19	mg/Kg	☼	01/24/20 07:31	01/27/20 12:18	10
Chromium	**19**		0.55	0.27	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Cobalt	**12**		0.28	0.072	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Copper	**21**		0.55	0.15	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Iron	**16000**		11	5.7	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Lead	**11**		0.28	0.13	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Magnesium	**30000**		5.5	2.7	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Manganese	**360**		0.55	0.080	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Nickel	**30**		0.55	0.16	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Potassium	**3500**		28	9.8	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Selenium	**0.51**	**J**	0.55	0.32	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Silver	**2.9**		0.28	0.071	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Sodium	**890**		55	8.2	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Vanadium	**23**		0.28	0.065	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Zinc	**47**		1.1	0.48	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.47**		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 09:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**8.5**	**J**	18	6.0	ug/Kg	☼	01/29/20 14:20	01/30/20 09:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			01/28/20 18:05	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176711-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-176711 COC

(optional)
Report To
Contact: Andrus Siesers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176711
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 45,43,5.6

Client: Weston Solutions, Inc
Client Project #: 02056.016.009
Project Name: IDOT Grayslake
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D+Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		AL44-10(0-3)-012120	1/21/20	1520	5	S	X	X	X	X	X					
2		CP24-1(0-4)-012120		1510												
3		CP24-2(0-4)-012120		1505												
4		CB23-1(0-4)-012120		1450												
5		R39-1(0-4)-012120		1435												
6		R42-1(0-5)-012120		1420												
7		R42-2(0-5)-012120		1410												
8		SQ-2(0-5)-012120		1400												
9		SQ-2(0-5)-012120D		1400												
10		CM-4(0-3)-012120		1325												

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
[signature]	Weston	1/21/20	1700	[signature]	Weston	1-21-20	1700
[signature]	Weston	1-22-20	1115	[signature]	TA	1-22-20	1115
[signature]	TA	1-22-20	1415	[signature]	TACHI	1/22/20	1415

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
Some T-kits have gray vial, and some do not. MD verified that this is ok with QW.

Lab Comments:

TAL-4124-500 (1209)

1/31/2020

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Residence - 380-410 Ivanhoe Road (ISGS Site No. 3079V2-42)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

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

Latitude: 42.33495 (Decimal Degrees) Longitude: - 88.02909 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

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

Estimated Volume of debris (cu. Yd.): 326

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33495 Longitude: - 88.02909

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 R42-1 AND R42-2 WERE SAMPLED ALONG THE RESIDNCE ROW. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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 REPORTS - JOB ID: 500-176711-1. ALSO SEE FIGURE 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

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

Summary Table of Residences (ISGS Site No. 3079V-42)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	R42-1	R42-2
Sample Date		1/21/2020	1/21/2020
Field Sample ID		R42-1(0-5)-012120	R42-2(0-5)-012120
ISGS Site No.		3079V-42	3079V-42
Laboratory pH	<6.25, >9.0	8.5	8.2
VOCs		**No Exceedances**	
SVOCs (mg/kg)			
2,4,5-Trichlorophenol	26	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND
2,4-Dichlorophenol	1	ND	ND
2-Methylnaphthalene	---	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND
Acenaphthene	570	ND	ND
Acenaphthylene	---	ND	0.041
Anthracene	12000	ND	0.013 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	ND	0.017 J
Benzo(a)pyrene	0.09 / 1.3 / 2.1	ND	0.079
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	ND	0.071
Benzo(g,h,i)perylene	---	ND	0.088
Benzo(k)fluoranthene	9	ND	0.017 J
bis(2-Ethylhexyl)phthalate	46	ND	ND
Butyl benzyl phthalate	930	ND	ND
Carbazole	0.6	ND	ND
Chrysene	88	ND	0.023 J
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	0.015 J
Dibenzofuran	---	ND	ND
Di-N-Butyl phthalate	2300	ND	ND
Fluoranthene	3100	ND	0.048
Fluorene	560	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	0.061
Naphthalene	1.8	ND	0.0092 J
Pentachlorophenol	0.03	ND	ND
Phenanthrene	---	ND	0.009 J
Pyrene	2300	ND	0.034 J
Pesticides (mg/kg)			
4,4-DDD	3	---	---
4,4-DDE	2	---	---
Dieldrin	0.603	---	---
PCBs (mg/kg)			
Aroclor-1248	1	---	---
Total Inorganics (mg/kg)			
Aluminum, Total	---	ND	ND
Antimony, Total	5	ND	0.4 J
Arsenic, Total	11.3 / 13.0	5.4	6.8
Barium, Total	1500	38	50
Beryllium, Total	22	0.82	0.79
Cadmium, Total	5.2	0.15	0.17
Calcium, Total	---	76000 B	68000 B
Chromium, Total	21	19	18
Cobalt, Total	20	12	12
Copper, Total	2900	21	17
Cyanide, Total	0.2	---	---
Iron, Total	15000 / 15900	16000	18000
Lead, Total	107	11	14
Magnesium, Total	325000	30000	29000
Manganese, Total	630 / 636	360	410
Mercury, Total	0.89	0.0085 J	0.019
Nickel, Total	100	30	27
Potassium, Total	---	3500	2600
Selenium, Total	1.3	0.51 J	0.45 J
Silver, Total	4.4	2.9	2.8
Sodium, Total	---	890	1400
Thallium, Total	2.6	ND	0.34 J
Vanadium, Total	550	23	23
Zinc, Total	5100	47	51

Summary Table of Residences (ISGS Site No. 3079V-42)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	R42-1	R42-2
Sample Date		1/21/2020	1/21/2020
Field Sample ID		R42-1(0-5)-012120	R42-2(0-5)-012120
ISGS Site No.		3079V-42	3079V-42
TCLP Metals (mg/l)			
Arsenic, TCLP	0.05	ND	ND
Barium, TCLP	2	0.39 J	0.43 J
Beryllium, TCLP	0.004	ND	ND
Cadmium, TCLP	0.005	ND	ND
Chromium, TCLP	0.1	ND	ND
Cobalt, TCLP	1	ND	0.012 J
Copper, TCLP	0.65	ND	ND
Iron, TCLP	5	ND	ND
Lead, TCLP	0.0075	ND	ND
Manganese, TCLP	0.15	0.97	5.4
Mercury, TCLP	0.002	ND	ND
Nickel, TCLP	0.1	ND	0.01 J
Selenium, TCLP	0.05	ND	ND
Silver, TCLP	0.05	ND	ND
Thallium, TCLP	0.002	ND	ND
Zinc, TCLP	5	ND	0.35 J
SPLP Metals (mg/l)			
Arsenic, SPLP	0.05	0.067	0.064
Barium, SPLP	2	0.39 J	0.62
Beryllium, SPLP	0.004	0.0089	0.0094
Cadmium, SPLP	0.005	ND	ND
Chromium, SPLP	0.1	0.18	0.2
Cobalt, SPLP	1	0.051	0.083
Copper, SPLP	0.65	0.18	0.2
Iron, SPLP	5	160	170
Lead, SPLP	0.0075	0.06	0.1
Manganese, SPLP	0.15	0.71	1.6
Mercury, SPLP	0.002	0.00047	0.00038
Nickel, SPLP	0.1	0.18	0.22
Selenium, SPLP	0.05	ND	ND
Silver, SPLP	0.05	ND	0.011 J
Thallium, SPLP	0.002	ND	ND
Zinc, SPLP	5	0.36 J	0.45 J

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-176711-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
1/31/2020 6:08:03 PM

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

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: R42-1(0-5)-012120

Date Collected: 01/21/20 14:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-6

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Acetone	**9.6**	**J**	16	6.9	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*	*01/22/20 17:10*	*01/30/20 06:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 131*	*01/22/20 17:10*	*01/30/20 06:46*	*1*
Dibromofluoromethane	*107*		*75 - 126*	*01/22/20 17:10*	*01/30/20 06:46*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*01/22/20 17:10*	*01/30/20 06:46*	*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	☼	01/28/20 18:33	01/29/20 19:15	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1

Client Sample ID: R42-1(0-5)-012120
Date Collected: 01/21/20 14:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-6
Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Methylphenol	<190		190	61	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
4-Nitrophenol	<770	*	770	360	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Anthracene	<38		38	6.4	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Carbazole	<190		190	96	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Chrysene	<38		38	10	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Dibenzofuran	<190		190	45	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Fluorene	<38		38	5.4	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Hexachloroethane	<190		190	58	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1

Client Sample ID: R42-1(0-5)-012120

Date Collected: 01/21/20 14:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-6

Matrix: Solid
Percent Solids: 85.3

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	<38		38	9.9	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Isophorone	<190		190	43	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Naphthalene	<38		38	5.9	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Phenol	<190		190	85	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1
Pyrene	<38		38	7.6	ug/Kg	☼	01/28/20 18:33	01/29/20 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*31 - 143*	*01/28/20 18:33*	*01/29/20 19:15*	*1*
2-Fluorobiphenyl	*68*		*43 - 145*	*01/28/20 18:33*	*01/29/20 19:15*	*1*
2-Fluorophenol	*69*		*31 - 166*	*01/28/20 18:33*	*01/29/20 19:15*	*1*
Nitrobenzene-d5	*59*		*37 - 147*	*01/28/20 18:33*	*01/29/20 19:15*	*1*
Phenol-d5	*58*		*30 - 153*	*01/28/20 18:33*	*01/29/20 19:15*	*1*
Terphenyl-d14	*121*		*42 - 157*	*01/28/20 18:33*	*01/29/20 19:15*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		01/29/20 15:09	01/30/20 12:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/29/20 15:09	01/30/20 12:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:09	01/30/20 12:19	1
Chromium	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Cobalt	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Copper	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Iron	<0.40		0.40	0.20	mg/L		01/29/20 15:09	01/30/20 12:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/29/20 15:09	01/30/20 12:19	1
Manganese	**0.97**		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Nickel	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:09	01/30/20 12:19	1
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:19	1
Zinc	<0.50		0.50	0.020	mg/L		01/29/20 15:09	01/30/20 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.067**		0.050	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		01/29/20 15:05	01/30/20 16:06	1
Beryllium	**0.0089**		0.0040	0.0040	mg/L		01/29/20 15:05	01/30/20 16:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:05	01/30/20 16:06	1
Chromium	**0.18**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Cobalt	**0.051**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Copper	**0.18**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Iron	**160**		0.40	0.20	mg/L		01/29/20 15:05	01/30/20 16:06	1
Lead	**0.060**		0.0075	0.0075	mg/L		01/29/20 15:05	01/30/20 16:06	1
Manganese	**0.71**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Nickel	**0.18**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:05	01/30/20 16:06	1

Client Sample ID: R42-1(0-5)-012120

Date Collected: 01/21/20 14:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-6

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:06	1
Zinc	**0.36**	**J ^**	0.50	0.020	mg/L		01/29/20 15:05	01/30/20 16:06	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	☼	01/24/20 07:31	01/25/20 03:08	1
Arsenic	**5.4**		0.55	0.19	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Barium	**38**		0.55	0.063	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Beryllium	**0.82**		0.22	0.052	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Cadmium	**0.15**		0.11	0.020	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Calcium	**76000**	**B**	110	19	mg/Kg	☼	01/24/20 07:31	01/27/20 12:18	10
Chromium	**19**		0.55	0.27	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Cobalt	**12**		0.28	0.072	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Copper	**21**		0.55	0.15	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Iron	**16000**		11	5.7	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Lead	**11**		0.28	0.13	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Magnesium	**30000**		5.5	2.7	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Manganese	**360**		0.55	0.080	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Nickel	**30**		0.55	0.16	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Potassium	**3500**		28	9.8	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Selenium	**0.51**	**J**	0.55	0.32	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Silver	**2.9**		0.28	0.071	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Sodium	**890**		55	8.2	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Vanadium	**23**		0.28	0.065	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1
Zinc	**47**		1.1	0.48	mg/Kg	☼	01/24/20 07:31	01/25/20 03:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.47**		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 09:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**8.5**	**J**	18	6.0	ug/Kg	☼	01/29/20 14:20	01/30/20 09:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			01/28/20 18:05	1

Client Sample ID: R42-2(0-5)-012120

Date Collected: 01/21/20 14:10
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-7

Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Acetone	**18**		17	7.2	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Carbon disulfide	<4.2		4.2	0.86	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Chloroethane	<4.2		4.2	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
cis-1,2-Dichloroethene	<1.7		1.7	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Methyl Ethyl Ketone	<4.2		4.2	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 07:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*	*01/22/20 17:10*	*01/30/20 07:11*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 131*	*01/22/20 17:10*	*01/30/20 07:11*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*01/22/20 17:10*	*01/30/20 07:11*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*01/22/20 17:10*	*01/30/20 07:11*	*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	☼	01/28/20 18:33	01/29/20 19:43	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1

Client Sample ID: R42-2(0-5)-012120
Date Collected: 01/21/20 14:10
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-7
Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2-Methylphenol	<200		200	62	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
4-Nitrophenol	<790	*	790	370	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Acenaphthylene	**41**		39	5.1	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Anthracene	**13**	**J**	39	6.5	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Benzo[a]anthracene	**17**	**J**	39	5.2	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Benzo[a]pyrene	**79**		39	7.5	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Benzo[b]fluoranthene	**71**		39	8.4	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Benzo[g,h,i]perylene	**88**		39	13	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Benzo[k]fluoranthene	**17**	**J**	39	11	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Carbazole	<200		200	97	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Chrysene	**23**	**J**	39	11	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Dibenz(a,h)anthracene	**15**	**J**	39	7.5	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Fluoranthene	**48**		39	7.2	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Fluorene	<39		39	5.5	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Hexachloroethane	<200		200	59	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176711-1

Client Sample ID: R42-2(0-5)-012120
Date Collected: 01/21/20 14:10
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-7
Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	61		39	10	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Isophorone	<200		200	44	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Naphthalene	9.2	J	39	6.0	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Pentachlorophenol	<790		790	620	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Phenanthrene	9.0	J	39	5.4	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Phenol	<200		200	87	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1
Pyrene	34	J	39	7.7	ug/Kg	☼	01/28/20 18:33	01/29/20 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*116*		*31 - 143*	*01/28/20 18:33*	*01/29/20 19:43*	*1*
2-Fluorobiphenyl	*77*		*43 - 145*	*01/28/20 18:33*	*01/29/20 19:43*	*1*
2-Fluorophenol	*78*		*31 - 166*	*01/28/20 18:33*	*01/29/20 19:43*	*1*
Nitrobenzene-d5	*67*		*37 - 147*	*01/28/20 18:33*	*01/29/20 19:43*	*1*
Phenol-d5	*66*		*30 - 153*	*01/28/20 18:33*	*01/29/20 19:43*	*1*
Terphenyl-d14	*122*		*42 - 157*	*01/28/20 18:33*	*01/29/20 19:43*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/29/20 15:09	01/30/20 12:24	1
Barium	0.43	J	0.50	0.050	mg/L		01/29/20 15:09	01/30/20 12:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/29/20 15:09	01/30/20 12:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:09	01/30/20 12:24	1
Chromium	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:24	1
Cobalt	0.012	J	0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:24	1
Copper	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:24	1
Iron	<0.40		0.40	0.20	mg/L		01/29/20 15:09	01/30/20 12:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/29/20 15:09	01/30/20 12:24	1
Manganese	5.4		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:24	1
Nickel	0.010	J	0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:24	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:09	01/30/20 12:24	1
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:24	1
Zinc	0.35	J B	0.50	0.020	mg/L		01/29/20 15:09	01/30/20 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.064		0.050	0.010	mg/L		01/29/20 15:05	01/30/20 16:10	1
Barium	0.62		0.50	0.050	mg/L		01/29/20 15:05	01/30/20 16:10	1
Beryllium	0.0094		0.0040	0.0040	mg/L		01/29/20 15:05	01/30/20 16:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:05	01/30/20 16:10	1
Chromium	0.20		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:10	1
Cobalt	0.083		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:10	1
Copper	0.20		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:10	1
Iron	170		0.40	0.20	mg/L		01/29/20 15:05	01/30/20 16:10	1
Lead	0.10		0.0075	0.0075	mg/L		01/29/20 15:05	01/30/20 16:10	1
Manganese	1.6		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:10	1
Nickel	0.22		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:10	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:05	01/30/20 16:10	1

Client Sample ID: R42-2(0-5)-012120

Date Collected: 01/21/20 14:10
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-7

Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.011	J	0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:10	1
Zinc	0.45	J ^	0.50	0.020	mg/L		01/29/20 15:05	01/30/20 16:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.2	0.22	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Arsenic	6.8		0.58	0.20	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Barium	50		0.58	0.066	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Beryllium	0.79		0.23	0.054	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Cadmium	0.17		0.12	0.021	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Calcium	68000	B	120	20	mg/Kg	☼	01/24/20 07:31	01/27/20 12:23	10
Chromium	18		0.58	0.29	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Cobalt	12		0.29	0.075	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Copper	17		0.58	0.16	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Iron	18000		12	6.0	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Lead	14		0.29	0.13	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Magnesium	29000		5.8	2.9	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Manganese	410		0.58	0.084	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Nickel	27		0.58	0.17	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Potassium	2600		29	10	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Selenium	0.45	J	0.58	0.34	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Silver	2.8		0.29	0.074	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Sodium	1400		58	8.5	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Thallium	0.34	J	0.58	0.29	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Vanadium	23		0.29	0.068	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	1
Zinc	51		1.2	0.51	mg/Kg	☼	01/24/20 07:31	01/25/20 03:12	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		01/30/20 10:35	01/31/20 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.38		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 09:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19		19	6.3	ug/Kg	☼	01/29/20 14:20	01/30/20 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			01/28/20 18:08	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176711-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-176711 COC

(optional)
Report To
Contact: Andrus Siesers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176711
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 45,43,5.6

Client: Weston Solutions, Inc
Client Project #: 02056.016.009
Project Name: IDOT Grayslake
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D+Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		AL44-10(0-3)-012120	1/21/20	1520	5	S	X	X	X	X	X					
2		CP24-1(0-4)-012120		1510												
3		CP24-2(0-4)-012120		1505												
4		CB23-1(0-4)-012120		1450												
5		R39-1(0-4)-012120		1435												
6		R42-1(0-5)-012120		1420												
7		R42-2(0-5)-012120		1410												
8		SQ-2(0-5)-012120		1400												
9		SQ-2(0-5)-012120D		1400												
10		CM-4(0-3)-012120		1325												

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
[signature]	Weston	1/21/20	1700	[signature]	Weston	1-21-20	1700
[signature]	Weston	1-22-20	1115	[signature]	TA	1-22-20	1115
[signature]	TA	1-22-20	1415	[signature]	TACHI	1/22/20	1415

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
Some T-kits have gray vial, and some do not. MD verified that this is ok with QW.

Lab Comments:

TAL-4124-500 (1209)

1/31/2020

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Commercial Building - 401-411 S. IL 83 (ISGS Site No. 3079V2-43)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

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

Latitude: 42.33503 (Decimal Degrees) Longitude: - 88.03046 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

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

Estimated Volume of debris (cu. Yd.): 205

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33503 Longitude: - 88.03046

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 SQ-1 AND CB43-1 WAS SAMPLED ALONG THE COMMERCIAL BUILDING ROW. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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: 500-177067-1. ALSO SEE FIGURE 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

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

Summary Table of Commercial Building (ISGS Site No. 3079V-43)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SQ-1	CB43-1
Sample Date		8/18/2022	1/28/2020
Field Sample ID		SQ-1(5-8)-081822	CB43-1(0-2)-012820
ISGS Site No.		3079V-46	3079V-43
Laboratory pH	<6.25, >9.0	8.4	9.0
VOCs			**No Exceedances**
SVOCs (mg/kg)			
2,4,5-Trichlorophenol	26	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND
2,4-Dichlorophenol	1	ND	ND
2-Methylnaphthalene	---	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND
Acenaphthene	570	ND	ND
Acenaphthylene	---	ND	ND
Anthracene	12000	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.025 J	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.041	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.054	ND
Benzo(g,h,i)perylene	---	0.027 J	ND
Benzo(k)fluoranthene	9	0.028 J	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND
Butyl benzyl phthalate	930	ND	ND
Carbazole	0.6	ND	ND
Chrysene	88	0.056	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND
Dibenzofuran	---	ND	ND
Di-N-Butyl phthalate	2300	ND	ND
Fluoranthene	3100	0.076	ND
Fluorene	560	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.015 J	ND
Naphthalene	1.8	ND	ND
Pentachlorophenol	0.03	ND	ND
Phenanthrene	---	0.041	ND
Pyrene	2300	0.073	ND
Pesticides (mg/kg)			
4,4-DDD	3	---	---
4,4-DDE	2	---	---
Dieldrin	0.603	---	---
PCBs (mg/kg)			
Aroclor-1248	1	---	---
Total Inorganics (mg/kg)			
Aluminum, Total	---	ND	ND
Antimony, Total	5	0.35 J	0.31 J
Arsenic, Total	11.3 / 13.0	5.1	5.1
Barium, Total	1500	28	40
Beryllium, Total	22	0.55	0.74
Cadmium, Total	5.2	0.058 J	0.21 J
Calcium, Total	---	73000 B	77000 B
Chromium, Total	21	12	17
Cobalt, Total	20	9.6	8.6
Copper, Total	2900	21	20
Cyanide, Total	0.2	---	---
Iron, Total	15000 / 15900	14000	20000
Lead, Total	107	11	17
Magnesium, Total	325000	31000 B	41000 B
Manganese, Total	630 / 636	360	400
Mercury, Total	0.89	0.017	0.017 J
Nickel, Total	100	25	24
Potassium, Total	---	1500	3400
Selenium, Total	1.3	ND	0.55
Silver, Total	4.4	0.19 J	2.5
Sodium, Total	---	210	1100
Thallium, Total	2.6	ND	ND
Vanadium, Total	550	14	23
Zinc, Total	5100	52 J	54

Summary Table of Commercial Building (ISGS Site No. 3079V-43)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SQ-1	CB43-1
Sample Date		8/18/2022	1/28/2020
Field Sample ID		SQ-1(5-8)-081822	CB43-1(0-2)-012820
ISGS Site No.		3079V-46	3079V-43
TCLP Metals (mg/l)			
Arsenic, TCLP	0.05	0.014 J	ND
Barium, TCLP	2	0.4 J	0.37 J
Beryllium, TCLP	0.004	ND	ND
Cadmium, TCLP	0.005	ND	0.0032 J
Chromium, TCLP	0.1	ND	ND
Cobalt, TCLP	1	ND	0.079
Copper, TCLP	0.65	ND	ND
Iron, TCLP	5	ND	0.25 J
Lead, TCLP	0.0075	ND	ND
Manganese, TCLP	0.15	1.2	6.7
Mercury, TCLP	0.002	ND	ND
Nickel, TCLP	0.1	ND	0.053
Selenium, TCLP	0.05	ND	ND
Silver, TCLP	0.05	ND	ND
Thallium, TCLP	0.002	ND	ND
Zinc, TCLP	5	ND	ND
SPLP Metals (mg/l)			
Arsenic, SPLP	0.05	0.037 J	0.098 J
Barium, SPLP	2	0.32 J	0.7 J
Beryllium, SPLP	0.004	0.0048	0.011
Cadmium, SPLP	0.005	ND	ND
Chromium, SPLP	0.1	0.11	0.23 J
Cobalt, SPLP	1	0.047	0.11
Copper, SPLP	0.65	0.17	0.35 J
Iron, SPLP	5	100	250
Lead, SPLP	0.0075	0.046	0.27 J
Manganese, SPLP	0.15	0.49	2.1
Mercury, SPLP	0.002	ND	0.00057
Nickel, SPLP	0.1	0.17	0.33
Selenium, SPLP	0.05	ND	ND
Silver, SPLP	0.05	ND	ND
Thallium, SPLP	0.002	ND	ND
Zinc, SPLP	5	0.34 J	0.85 J

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-177067-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
2/17/2020 12:12:47 PM

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

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177067-1

Client Sample ID: SQ-1(0-5)-012820
Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1
Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Acetone	**49**		17	7.5	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Carbon disulfide	<4.3		4.3	0.89	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*	*01/29/20 18:00*	*02/06/20 19:34*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*01/29/20 18:00*	*02/06/20 19:34*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*01/29/20 18:00*	*02/06/20 19:34*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/29/20 18:00*	*02/06/20 19:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1

Client Sample ID: SQ-1(0-5)-012820
Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1
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	<370		370	84	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dimethylphenol	<370	*	370	140	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Methylnaphthalene	<74	*	74	6.8	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Methylphenol	<190		190	59	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Anthracene	<37		37	6.2	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Carbazole	<190		190	92	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Chrysene	<37		37	10	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Dibenzofuran	<190		190	43	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Fluoranthene	<37		37	6.8	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Fluorene	<37		37	5.2	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachlorobenzene	<74		74	8.6	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachloroethane	<190		190	56	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1

Client Sample ID: SQ-1(0-5)-012820

Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1

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	<37		37	9.6	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Isophorone	<190		190	41	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Naphthalene	<37		37	5.7	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Phenanthrene	<37		37	5.1	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Phenol	<190		190	82	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Pyrene	<37		37	7.3	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*31 - 143*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
2-Fluorobiphenyl	*82*		*43 - 145*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
2-Fluorophenol	*123*		*31 - 166*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
Nitrobenzene-d5	*89*		*37 - 147*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
Phenol-d5	*102*		*30 - 153*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
Terphenyl-d14	*106*		*42 - 157*	*02/06/20 07:36*	*02/06/20 22:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		02/10/20 06:33	02/10/20 17:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/10/20 06:33	02/10/20 17:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/10/20 06:33	02/10/20 17:41	1
Chromium	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Cobalt	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Copper	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Iron	<0.40		0.40	0.20	mg/L		02/10/20 06:33	02/10/20 17:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/10/20 06:33	02/10/20 17:41	1
Manganese	**0.66**		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Nickel	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Selenium	<0.050	*	0.050	0.020	mg/L		02/10/20 06:33	02/10/20 17:41	1
Silver	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Zinc	**0.052**	**J B ***	0.50	0.020	mg/L		02/10/20 06:33	02/10/20 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.076**		0.050	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		02/08/20 16:47	02/10/20 12:19	1
Beryllium	**0.0071**		0.0040	0.0040	mg/L		02/08/20 16:47	02/10/20 12:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:47	02/10/20 12:19	1
Chromium	**0.15**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Cobalt	**0.048**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Copper	**0.20**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Iron	**160**		0.40	0.20	mg/L		02/08/20 16:47	02/10/20 12:19	1
Lead	**0.097**		0.0075	0.0075	mg/L		02/08/20 16:47	02/10/20 12:19	1
Manganese	**0.63**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Nickel	**0.19**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:47	02/10/20 12:19	1

Client Sample ID: SQ-1(0-5)-012820

Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1

Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Zinc	**0.60**	**B**	0.50	0.020	mg/L		02/08/20 16:47	02/10/20 12:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.50**	**J F1**	1.0	0.20	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Arsenic	**6.1**		0.52	0.18	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Barium	**39**		0.52	0.060	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Beryllium	**0.73**		0.21	0.049	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Cadmium	**0.22**	**B**	0.10	0.019	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Calcium	**70000**	**B**	100	18	mg/Kg	☼	02/04/20 07:16	02/05/20 16:25	10
Chromium	**17**		0.52	0.26	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Cobalt	**10**		0.26	0.069	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Copper	**21**		0.52	0.15	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Iron	**16000**		10	5.5	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Lead	**11**		0.26	0.12	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Magnesium	**30000**	**B**	5.2	2.6	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Manganese	**360**		0.52	0.076	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Nickel	**29**		0.52	0.15	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Potassium	**3100**		26	9.3	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Selenium	<0.52		0.52	0.31	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Silver	**2.5**		0.26	0.068	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Sodium	**350**		52	7.8	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Vanadium	**21**		0.26	0.062	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Zinc	**59**		1.0	0.46	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/14/20 10:35	02/15/20 11:43	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		02/14/20 10:35	02/15/20 12:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**18**		18	6.0	ug/Kg	☼	02/13/20 16:05	02/14/20 11:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			02/04/20 16:27	1

Client Sample ID: CB43-1(0-2)-012820
Lab Sample ID: 500-177067-2

Date Collected: 01/28/20 09:45
Matrix: Solid
Date Received: 01/29/20 13:35
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0	0.66	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.63	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
1,1,2-Trichloroethane	<2.0		2.0	0.84	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
1,1-Dichloroethane	<2.0		2.0	0.67	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
1,1-Dichloroethene	<2.0		2.0	0.67	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
1,2-Dichloroethane	<4.9		4.9	1.5	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
1,2-Dichloropropane	<2.0		2.0	0.51	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
1,3-Dichloropropene, Total	<2.0		2.0	0.69	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
2-Hexanone	<4.9		4.9	1.5	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Acetone	**21**		20	8.5	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Benzene	<2.0		2.0	0.50	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Bromodichloromethane	<2.0		2.0	0.40	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Bromoform	<2.0		2.0	0.57	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Bromomethane	<4.9		4.9	1.9	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Carbon disulfide	<4.9		4.9	1.0	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Carbon tetrachloride	<2.0		2.0	0.57	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Chlorobenzene	<2.0		2.0	0.72	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Chloroethane	<4.9		4.9	1.4	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Chloroform	<2.0		2.0	0.68	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Chloromethane	<4.9		4.9	2.0	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
cis-1,2-Dichloroethene	<2.0		2.0	0.55	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
cis-1,3-Dichloropropene	<2.0		2.0	0.59	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Dibromochloromethane	<2.0		2.0	0.64	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Ethylbenzene	<2.0		2.0	0.94	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Methyl Ethyl Ketone	<4.9		4.9	2.2	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
methyl isobutyl ketone	<4.9		4.9	1.4	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Methyl tert-butyl ether	<2.0		2.0	0.57	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Methylene Chloride	<4.9		4.9	1.9	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Styrene	<2.0		2.0	0.59	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Tetrachloroethene	<2.0		2.0	0.67	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Toluene	<2.0		2.0	0.49	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
trans-1,2-Dichloroethene	<2.0		2.0	0.87	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
trans-1,3-Dichloropropene	<2.0		2.0	0.69	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Trichloroethene	<2.0		2.0	0.66	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Vinyl chloride	<2.0		2.0	0.87	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1
Xylenes, Total	<3.9		3.9	0.63	ug/Kg	☼	01/29/20 18:00	02/06/20 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*	*01/29/20 18:00*	*02/06/20 19:59*	*1*
4-Bromofluorobenzene (Surr)	*103*		*75 - 131*	*01/29/20 18:00*	*02/06/20 19:59*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*01/29/20 18:00*	*02/06/20 19:59*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/29/20 18:00*	*02/06/20 19:59*	*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	☼	02/06/20 07:36	02/07/20 02:43	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1

Client Sample ID: CB43-1(0-2)-012820
Lab Sample ID: 500-177067-2

Date Collected: 01/28/20 09:45
Matrix: Solid

Date Received: 01/29/20 13:35
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2,4-Dimethylphenol	<370	*	370	140	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2-Methylnaphthalene	<76	*	76	6.9	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2-Methylphenol	<190		190	61	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Anthracene	<37		37	6.3	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Carbazole	<190		190	94	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Chrysene	<37		37	10	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Dibenzofuran	<190		190	44	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Fluorene	<37		37	5.3	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Hexachloroethane	<190		190	57	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1

Client Sample ID: CB43-1(0-2)-012820
Date Collected: 01/28/20 09:45
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-2
Matrix: Solid
Percent Solids: 84.7

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	<37		37	9.8	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Isophorone	<190		190	42	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Naphthalene	<37		37	5.8	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Phenanthrene	<37		37	5.3	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Phenol	<190		190	84	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1
Pyrene	<37		37	7.5	ug/Kg	☼	02/06/20 07:36	02/07/20 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*31 - 143*	*02/06/20 07:36*	*02/07/20 02:43*	*1*
2-Fluorobiphenyl	*89*		*43 - 145*	*02/06/20 07:36*	*02/07/20 02:43*	*1*
2-Fluorophenol	*119*		*31 - 166*	*02/06/20 07:36*	*02/07/20 02:43*	*1*
Nitrobenzene-d5	*80*		*37 - 147*	*02/06/20 07:36*	*02/07/20 02:43*	*1*
Phenol-d5	*101*		*30 - 153*	*02/06/20 07:36*	*02/07/20 02:43*	*1*
Terphenyl-d14	*114*		*42 - 157*	*02/06/20 07:36*	*02/07/20 02:43*	*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		02/10/20 06:33	02/10/20 18:23	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		02/10/20 06:33	02/10/20 18:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/10/20 06:33	02/10/20 18:23	1
Cadmium	**0.0032**	**J**	0.0050	0.0020	mg/L		02/10/20 06:33	02/10/20 18:23	1
Chromium	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 18:23	1
Cobalt	**0.079**		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 18:23	1
Copper	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 18:23	1
Iron	**0.25**	**J**	0.40	0.20	mg/L		02/10/20 06:33	02/10/20 18:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/10/20 06:33	02/11/20 10:13	1
Manganese	**6.7**		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 18:23	1
Nickel	**0.053**		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 18:23	1
Selenium	<0.050		0.050	0.020	mg/L		02/10/20 06:33	02/10/20 18:23	1
Silver	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 18:23	1
Zinc	**0.049**	**J B**	0.50	0.020	mg/L		02/10/20 06:33	02/10/20 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.098**	**F1**	0.050	0.010	mg/L		02/08/20 16:47	02/10/20 12:23	1
Barium	**0.70**	**F1**	0.50	0.050	mg/L		02/08/20 16:47	02/10/20 12:23	1
Beryllium	**0.011**		0.0040	0.0040	mg/L		02/08/20 16:47	02/10/20 12:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:47	02/10/20 12:23	1
Chromium	**0.23**	**F1**	0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:23	1
Cobalt	**0.11**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:23	1
Copper	**0.35**	**F1**	0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:23	1
Iron	**250**		0.40	0.20	mg/L		02/08/20 16:47	02/10/20 12:23	1
Lead	**0.27**	**F1**	0.0075	0.0075	mg/L		02/08/20 16:47	02/10/20 12:23	1
Manganese	**2.1**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:23	1
Nickel	**0.33**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:23	1
Selenium	<0.050	F1	0.050	0.020	mg/L		02/08/20 16:47	02/10/20 12:23	1

Client Sample ID: CB43-1(0-2)-012820

Date Collected: 01/28/20 09:45
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-2

Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	F1	0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:23	1
Zinc	**0.85**	**B F1**	0.50	0.020	mg/L		02/08/20 16:47	02/10/20 12:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.31**	**J**	1.1	0.22	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Arsenic	**5.1**		0.55	0.19	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Barium	**40**		0.55	0.063	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Beryllium	**0.74**		0.22	0.052	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Cadmium	**0.21**	**B**	0.11	0.020	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Calcium	**77000**	**B**	110	19	mg/Kg	☼	02/04/20 07:16	02/05/20 16:55	10
Chromium	**17**		0.55	0.27	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Cobalt	**8.6**		0.28	0.072	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Copper	**20**		0.55	0.15	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Iron	**20000**		110	58	mg/Kg	☼	02/04/20 07:16	02/05/20 16:55	10
Lead	**17**		0.28	0.13	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Magnesium	**41000**	**B**	55	27	mg/Kg	☼	02/04/20 07:16	02/05/20 16:55	10
Manganese	**400**		0.55	0.080	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Nickel	**24**		0.55	0.16	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Potassium	**3400**		28	9.8	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Selenium	**0.55**		0.55	0.33	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Silver	**2.5**		0.28	0.071	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Sodium	**1100**		55	8.2	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Vanadium	**23**		0.28	0.065	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	1
Zinc	**54**		1.1	0.49	mg/Kg	☼	02/04/20 07:16	02/04/20 18:19	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		02/13/20 10:55	02/14/20 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.57**		0.50	0.50	ug/L		02/14/20 10:35	02/15/20 12:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17**	**J**	18	6.0	ug/Kg	☼	02/13/20 16:05	02/14/20 11:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.0**		0.2	0.2	SU			02/04/20 16:30	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177067-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-177067 COC

Chain of Custody Record

Lab Job #: 500-177067

Chain of Custody Number:

Page ____ of ____

Temperature °C of Cooler: 4.0

(optional)
Report To
Contact: Andrew Siegers
Company: Weston Solutions, Inc.
Address: 300 Plaza Circle Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7201
Fax: —
E-Mail: Andrew.Siegers@WestonSolutions.com

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

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT ~~Chem~~ Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max Dehro
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	PH					Comments
1		SQ-1(0-5)-012820	1/28/20	0950	6	S	x	x	x	x	x					
2		CB43-1(0-2)-012820	1/28/20	0945	6	S	x	x	x	x	x					

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 ☒ Disposal by Lab ☐ Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston Sol.	1/28/20	1345	Tayler Oberman	Weston	1/28/20	1350
Tayler Oberman	Weston	1/29/20	1030	[signature]	TA	1/29/20	1030
[signature]	TA	1/29/20	1335	[signature]	TA CRI	1/29/20	1335

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments

TAL-4124-500 (1209)
2/17/2020

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

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

Agricultural Land - 400-500 blocks of Ivanhoe Road (ISGS Site No. 3079V2-44)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

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

Latitude: 42.33093 Longitude: - 88.02718

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

Estimated Volume of debris (cu. Yd.): 8,177

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33093 Longitude: - 88.02718

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 VC50-2, AL44-1 THROUGH AL44-3, AL44-4 (from 0.0 ft to 7.0 ft bgs), AL44-5 through AL44-7, AL44-9, AND AL44-10 WERE SAMPLED ALONG THE AGRICULTURAL LAND ROW. SEE FIGURES 3-3 AND 3-4, AND TABLE 4-1 OF THE 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 REPORTS - JOB IDs: 500-176711-1, 500-176788-1, 500-176790-1, AND 500-221122-1. ALSO SEE FIGURES 4-3 AND 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

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

Summary Table of Agricultural Land (ISGS Site No. 3079V-44)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL44-1	AL44-2	AL44-2	AL44-2	AL44-2	AL44-3	AL44-3	AL44-3	AL44-3	AL44-3	AL44-4	AL44-4
Sample Date		1/22/2020	1/22/2020	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	1/22/2020	1/22/2020
Field Sample ID		AL44-1(0-2)-012220	AL44-2(0-3)-012220	AL44-2(3-5)-081822	AL44-2(5-10)-081822	AL44-2(10-15)-081822	AL44-3(0-2)-012220	AL44-3(2-5)-081822	AL44-3(5-10)-081822	AL44-3(5-10)-081822D	AL44-3(10-15)-081822	AL44-4(0-3)-012220	AL44-4(3-7)-012220
ISGS Site No.		3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44
Laboratory pH	<6.25, >9.0	7.9	7.9	8.5	8.1	8.1	8.1	7.7	8.4	8.4	8.1	8.1	8.0
VOCs		**No Exceedances**											
SVOCs (mg/kg)													
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.012 J	ND	0.0054 J	ND	ND	0.021 J	0.0056 J	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.031 J	ND	0.013 J	ND	ND	0.04	0.011 J	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.022 J	ND	0.019 J	ND	ND	0.037 J	0.012 J	0.0093 J	ND	ND	ND	ND
Benzo(g,h,i)perylene	---	ND	ND	ND	ND	0.015 J	0.017 J	0.012 J	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	9	ND	ND	ND	ND	ND	0.012 J	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	0.014 J	ND	0.012 J	ND	0.016 J	0.031 J	0.01 J	0.01 J	0.01 J	0.011 J	ND	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.019 J	0.011 J	0.015 J	ND	ND	0.035 J	0.0097 J	ND	ND	ND	ND	ND
Fluorene	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	ND	ND	ND	ND	0.011 J	ND	ND	ND	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	ND	0.0062 J	ND	0.03 J	0.016 J	ND	ND	ND	0.018 J	ND	ND
Pyrene	2300	0.015 J	0.011 J	0.013 J	ND	0.016 J	0.036 J	0.009 J	ND	0.0094 J	0.015 J	ND	ND
Pesticides (mg/kg)													
4,4-DDD	3	---	---	---	---	---	---	---	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---	---	---	---	---	---	---	---
PCBs (mg/kg)													
Aroclor-1248	1	---	---	---	---	---	---	---	---	---	---	---	---

Summary Table of Agricultural Land (ISGS Site No. 3079V-44)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL44-1	AL44-2	AL44-2	AL44-2	AL44-2	AL44-3	AL44-3	AL44-3	AL44-3	AL44-3	AL44-4	AL44-4
Sample Date		1/22/2020	1/22/2020	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	1/22/2020	1/22/2020
Field Sample ID		AL44-1(0-2)-012220	AL44-2(0-3)-012220	AL44-2(3-5)-081822	AL44-2(5-10)-081822	AL44-2(10-15)-081822	AL44-3(0-2)-012220	AL44-3(2-5)-081822	AL44-3(5-10)-081822	AL44-3(5-10)-081822D	AL44-3(10-15)-081822	AL44-4(0-3)-012220	AL44-4(3-7)-012220
ISGS Site No.		3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44
Total Inorganics (mg/kg)													
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	0.44 J	0.37 J	0.48 J	0.32 J	0.22 J	0.36 J	0.26 J	ND	0.35 J	0.29 J	0.39 J	0.5 J
Arsenic, Total	11.3 / 13.0	7.7	4.7	6.5	7	4.4	5.7	7	5.5 J	5.9	5.3	6.6	6.2
Barium, Total	1500	32	58	75	33	39	59	50	36	41	26	50	42
Beryllium, Total	22	0.62	0.83	0.84	0.64	0.72	0.88	0.78	0.65	0.74	0.57	0.82	0.7
Cadmium, Total	5.2	0.29 B	0.27 B	0.056 J	0.043 J	ND	0.26 B	ND	ND	ND	0.044 J	0.23 J	0.19 J
Calcium, Total	---	83000 B	21000 B	30000	70000	76000	26000 B	62000	77000	84000	83000	52000 B	88000 B
Chromium, Total	21	14	20	17	14	16	20	16	14	16	11	19	17
Cobalt, Total	20	9.3	10	12	11	12	12	13	10	12	8.8	12	10
Copper, Total	2900	22	20	21	20	22	21	23	22 J	22	29	22 B	20
Cyanide, Total	0.2	---	---	---	---	---	---	---	---	---	---	---	---
Iron, Total	15000 / 15900	16000	16000	19000	17000	17000	17000	19000	16000	18000	16000	18000	15000
Lead, Total	107	14	15	17	11	11	27	13	11 J	11	10	28	11
Magnesium, Total	325000	34000	15000	17000	33000	32000	17000	28000	30000 J	31000	38000	23000	34000
Manganese, Total	630 / 636	470	220	470	450	400	310	500	380 J	400	430	470	390
Mercury, Total	0.89	0.028	0.016 J	0.019	0.023	0.017	0.018 J	0.019	0.017 J	0.015 J	0.014 J	0.016 J	0.019
Nickel, Total	100	24	27	27	26	28	28	30	26	30	22	31	23
Potassium, Total	---	1700	2400	1900	1800	2700	2700	2100	2200 J	2600	1800	2700	2400
Selenium, Total	1.3	0.45 J	0.54 J	ND	ND	ND	0.55	ND	ND	ND	ND	0.53 J	0.53 J
Silver, Total	4.4	2.1	3.5	0.27 J	0.18 J	0.24 J	3	0.23 J	0.22 J	0.24 J	0.15 J	2.9	2.4
Sodium, Total	---	600	1100	1700	400	180	2100	290	230	250	140	1200	650
Thallium, Total	2.6	ND	ND	ND	0.32 J	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	19	29	23	17	19	30	21	18	19	14	26	22
Zinc, Total	5100	56	61	64 J	55 J	47 J	65	55 J	50 J	51 J	50 J	66 B	47 B
TCLP Metals (mg/l)													
Arsenic, TCLP	0.05	ND	ND	ND	0.01 J	ND	ND	ND	0.01 J	ND	ND	ND	ND
Barium, TCLP	2	0.29 J	0.43 J	0.46 J	0.31 J	0.55	0.49 J	0.33 J	0.32 J	0.33 J	0.35 J	0.44 J	0.39 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	0.0021 J	ND	ND	ND	ND	0.0032 J	0.0027 J	0.0026 J	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	0.023 J	ND	0.077	0.011 J	ND	0.033	0.025	0.041	ND	ND
Copper, TCLP	0.65	ND	ND	ND	ND	0.056	ND	ND	ND	ND	0.059	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	0.29 J	ND	ND	ND	ND	1.1	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	0.0075	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	2	2.2	6.2	1.1	5.4	3.9	4	3.4	3.3	4.5	0.075	0.57
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	0.02 J	ND	0.1	0.015 J	0.021 J	0.029	0.02 J	0.056	ND	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.35 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Summary Table of Agricultural Land (ISGS Site No. 3079V-44)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL44-1	AL44-2	AL44-2	AL44-2	AL44-2	AL44-3	AL44-3	AL44-3	AL44-3	AL44-3	AL44-4	AL44-4
Sample Date		1/22/2020	1/22/2020	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	8/18/2022	1/22/2020	1/22/2020
Field Sample ID		AL44-1(0-2)-012220	AL44-2(0-3)-012220	AL44-2(3-5)-081822	AL44-2(5-10)-081822	AL44-2(10-15)-081822	AL44-3(0-2)-012220	AL44-3(2-5)-081822	AL44-3(5-10)-081822	AL44-3(5-10)-081822D	AL44-3(10-15)-081822	AL44-4(0-3)-012220	AL44-4(3-7)-012220
ISGS Site No.		3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44
SPLP Metals (mg/l)													
Arsenic, SPLP	0.05	0.023 J	0.057	0.065	0.072	ND	0.077	ND	0.058	0.059	ND	0.064	0.048 J
Barium, SPLP	2	0.15 J	0.5	0.89	0.38 J	0.11 J	0.67	ND	0.45 J	0.49 J	ND	0.48 J	0.38 J
Beryllium, SPLP	0.004	ND	0.007	0.011	0.0063	ND	0.011	ND	0.007	0.0077	ND	0.0066	0.0055
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.057	0.14	0.25	0.13	0.031	0.22	0.013 J	0.15	0.16	ND	0.15	0.13
Cobalt, SPLP	1	0.014 J	0.061	0.083	0.054	0.012 J	0.11	ND	0.047	0.055	ND	0.034	0.03
Copper, SPLP	0.65	0.064	0.16	0.23	0.18	0.023 J	0.25	0.016 J	0.2	0.21	ND	0.2	0.16
Iron, SPLP	5	60	160	240	160	21	220	11	150	160	5.1	160	130
Lead, SPLP	0.0075	0.025	0.085	0.12	0.067	ND	0.17	ND	0.068	0.075	ND	0.061	0.054
Manganese, SPLP	0.15	0.27	0.99	1.1	0.64	0.22	1.9	0.075	0.61	0.69	0.054	0.67	0.55
Mercury, SPLP	0.002	ND	0.00028	ND	ND	ND	ND	ND	ND	ND	ND	0.00036	0.00025
Nickel, SPLP	0.1	0.057	0.17	0.26	0.17	0.027	0.27	0.01 J	0.18	0.2	ND	0.17	0.13
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	0.011 J	ND	ND	ND	0.019 J	ND	ND	ND	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.15 J	0.35 J	0.71 J	0.44 J	0.06 J	0.55	0.025 J	0.47 J	0.43 J	ND	0.45 J	0.33 J

Summary Table of Agricultural Land (ISGS Site No. 3079V-44)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL44-5	AL44-5	AL44-5	AL44-5	AL44-5	AL44-6	AL44-6	AL44-6	AL44-6	AL44-7	AL44-7	AL44-9
Sample Date		1/22/2020	1/22/2020	1/22/2020	8/18/2022	8/18/2022	1/22/2020	8/18/2022	8/18/2022	8/18/2022	1/22/2020	8/18/2022	1/22/2020
Field Sample ID		AL44-5(0-3)-012220	AL44-5(3-7)-012220	AL44-5(3-7)-012220D	AL44-5(7-11)-081822	AL44-5(11-15)-081822	AL44-6(0-2)-012220	AL44-6(2-5)-081822	AL44-6(5-10)-081822	AL44-6(10-15)-081822	AL44-7(0-2)-012220	AL44-7(2-8)-081822	AL44-9(0-2)-012220
ISGS Site No.		3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44
Laboratory pH	<6.25, >9.0	8.1	7.7	7.8	8.5	7.9	8.1	8.3	8.2	7.8	7.7	8.6	8.0
VOCs		**No Exceedances**											
SVOCs (mg/kg)													
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	0.012 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	0.038 J	0.037 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013 J	0.0067 J	ND
Anthracene	12000	0.045	0.044	ND	ND	ND	0.047	ND	ND	ND	0.011 J	0.011 J	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.04	0.027 J	ND	ND	ND	0.052	ND	ND	ND	0.061	0.045	0.024 J
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.068	ND	ND	ND	ND	0.083	ND	ND	ND	0.09	0.076	0.034 J
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.13	0.063	ND	ND	ND	0.12	ND	0.0093 J	ND	0.13	0.1	0.051
Benzo(g,h,i)perylene	---	0.034 J	ND	ND	ND	ND	0.041	ND	ND	ND	0.048	0.038	0.02 J
Benzo(k)fluoranthene	9	0.033 J	0.032 J	ND	ND	ND	0.038 J	ND	ND	ND	0.058	0.035 J	0.025 J
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	0.068	0.044	ND	ND	0.01 J	0.073	ND	ND	ND	0.079	0.072	0.032 J
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	ND	ND	ND	0.011 J	ND	ND	ND	ND	0.011 J	ND
Dibenzofuran	---	0.069 J	0.068 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	0.076 J	0.076 J	ND	ND	ND	0.075 J	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.12	0.077	0.0082 J	ND	ND	0.13	ND	0.0089 J	ND	0.12	0.12	0.051
Fluorene	560	0.011 J	0.011 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.03 J	ND	ND	ND	ND	0.039 J	ND	ND	ND	0.042	0.033 J	0.019 J
Naphthalene	1.8	0.033 J	0.034 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.049	0.038 J	ND	ND	ND	0.056	ND	ND	ND	0.059	0.053	0.023 J
Pyrene	2300	0.084	0.067	ND	ND	0.014 J	0.091	ND	0.0084 J	0.0096 J	0.12	0.089	0.048
Pesticides (mg/kg)													
4,4-DDD	3	---	---	---	---	---	---	---	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---	---	---	---	---	---	---	---
PCBs (mg/kg)													
Aroclor-1248	1	---	---	---	---	---	---	---	---	---	---	---	---

Summary Table of Agricultural Land (ISGS Site No. 3079V-44)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL44-5	AL44-5	AL44-5	AL44-5	AL44-5	AL44-6	AL44-6	AL44-6	AL44-6	AL44-7	AL44-7	AL44-9
Sample Date		1/22/2020	1/22/2020	1/22/2020	8/18/2022	8/18/2022	1/22/2020	8/18/2022	8/18/2022	8/18/2022	1/22/2020	8/18/2022	1/22/2020
Field Sample ID		AL44-5(0-3)-012220	AL44-5(3-7)-012220	AL44-5(3-7)-012220D	AL44-5(7-11)-081822	AL44-5(11-15)-081822	AL44-6(0-2)-012220	AL44-6(2-5)-081822	AL44-6(5-10)-081822	AL44-6(10-15)-081822	AL44-7(0-2)-012220	AL44-7(2-8)-081822	AL44-9(0-2)-012220
ISGS Site No.		3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44
Total Inorganics (mg/kg)													
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	0.62 J	0.55 J	0.71 J	0.41 J	0.27 J	0.36 J	0.23 J	0.31 J	0.32 J	0.5 J	0.28 J	0.52 J
Arsenic, Total	11.3 / 13.0	7.2	5.7	7.3	10	5.7	7.4	7	9.4	3.2	6.5	6.9	6.7
Barium, Total	1500	110	74	74	50	32	77	56	60	46	62	52	81
Beryllium, Total	22	1.2	0.95	0.88	0.74	0.58	1.1	0.83	0.8	0.65	0.86	0.78	1.2
Cadmium, Total	5.2	0.18 J	0.23 J	0.26 J	0.078 J	0.04 J	0.22 J	0.034 J	0.039 J	0.1 J	0.31 B	0.064 J	ND
Calcium, Total	---	4700 B	57000 B	80000 B	77000	85000	10000 B	82000	67000	69000	49000 B	55000	2000 B
Chromium, Total	21	27	22	19	15	12	25	17	16	13	20	17	28
Cobalt, Total	20	16	10 J	18 J	11	9.8	13	9.7	12	9.5	11	10	18
Copper, Total	2900	27 B	21 B	21 B	26	21	25 B	25	25	21	24	24	27
Cyanide, Total	0.2	---	---	---	---	---	---	---	---	---	---	---	---
Iron, Total	15000 / 15900	24000	19000	18000	21000	18000	22000	20000	21000	15000	18000	19000	26000
Lead, Total	107	19	17	15	12	11	27	12	13	11	59	22	18
Magnesium, Total	325000	7100	27000	31000	30000	42000	8800	29000	29000	30000	22000	24000	6100
Manganese, Total	630 / 636	510	390	610	540	460	240	380	470	450	440	460	630
Mercury, Total	0.89	0.021	0.017 J	0.023	0.015 J	0.0098 J	0.033	0.02	0.02	0.018	0.03	0.022	0.022
Nickel, Total	100	44	31	37	31	24	36	28	30	25	29	28	47
Potassium, Total	---	3200	3300	2800	2100	2100	3200	2300	2100	2100	2900	2200	3400
Selenium, Total	1.3	0.37 J	0.35 J	0.46 J	ND	ND	ND	ND	ND	ND	0.64	ND	0.48 J
Silver, Total	4.4	4	2.9	3	0.22 J	0.15 J	3.9	0.24 J	0.19 J	0.2 J	2.6	0.25 J	4.4
Sodium, Total	---	1300	1000	890	1200	230	1500	670	680	330	1100	1200	1700
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	33	30	27	21	15	34	22	21	19	25	22	35
Zinc, Total	5100	80 B	77 B	61 B	66 J	55 J	75 B	62 J	71 J	62 J	95	76 J	82
TCLP Metals (mg/l)													
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.5	0.44 J	0.44 J	0.43 J	0.41 J	0.54	0.36 J	0.45 J	0.69	0.54	0.43 J	0.3 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.002 J	ND	0.0024 J	0.0046 J	0.005	ND	0.0036 J	ND	0.0054	ND	0.0033 J	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.035	0.024 J	0.02 J	0.03	0.019 J	0.033	0.034	ND	0.085	ND	0.014 J	ND
Copper, TCLP	0.65	ND	ND	ND	ND	0.018 J	ND	ND	ND	0.01 J	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	2.9	ND	ND	0.2 J	25	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	0.0097	ND	ND	0.0081	ND	ND	ND
Manganese, TCLP	0.15	8.6	4.6	5.6	4.1	6.3	8.4	4.2	1.1	7.4	0.44	3.8	0.95
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.025	0.03	0.033	0.051	0.015 J	0.026	0.039	ND	0.18	0.011 J	0.026	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND

Summary Table of Agricultural Land (ISGS Site No. 3079V-44)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL44-5	AL44-5	AL44-5	AL44-5	AL44-5	AL44-6	AL44-6	AL44-6	AL44-6	AL44-7	AL44-7	AL44-9
Sample Date		1/22/2020	1/22/2020	1/22/2020	8/18/2022	8/18/2022	1/22/2020	8/18/2022	8/18/2022	8/18/2022	1/22/2020	8/18/2022	1/22/2020
Field Sample ID		AL44-5(0-3)-012220	AL44-5(3-7)-012220	AL44-5(3-7)-012220D	AL44-5(7-11)-081822	AL44-5(11-15)-081822	AL44-6(0-2)-012220	AL44-6(2-5)-081822	AL44-6(5-10)-081822	AL44-6(10-15)-081822	AL44-7(0-2)-012220	AL44-7(2-8)-081822	AL44-9(0-2)-012220
ISGS Site No.		3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44	3079V-44
SPLP Metals (mg/l)													
Arsenic, SPLP	0.05	0.057	0.055	0.061	0.1	0.017 J	0.057	0.075	0.1	ND	0.068	0.069	0.076
Barium, SPLP	2	0.67	0.56	0.54	0.58	0.25 J	0.57	0.65	0.65	ND	0.66	0.68	0.82
Beryllium, SPLP	0.004	0.0076	0.0076	0.0077	0.01	ND	0.007	0.0095	0.0096	ND	0.0071	0.0089	0.012
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.18	0.19	0.18	0.2	0.08	0.16	0.19	0.19	ND	0.18	0.19	0.24
Cobalt, SPLP	1	0.057	0.048	0.047	0.057	0.049	0.049	0.053	0.049	ND	0.05	0.051	0.054
Copper, SPLP	0.65	0.23	0.19	0.19	0.29	0.13	0.19	0.24	0.28	ND	0.21	0.22	0.23
Iron, SPLP	5	180	180	180	260	82	160	200	240	1.1	190	210	250
Lead, SPLP	0.0075	0.18	0.092	0.083	0.11	0.039	0.084	0.079	0.094	ND	0.17	0.12	0.075
Manganese, SPLP	0.15	1.4	1.2	1.4	0.82	0.68	1.3	0.82	0.75	0.063	1.1	0.82	0.95
Mercury, SPLP	0.002	0.00035	0.00027	0.00029	ND	ND	0.0003	ND	ND	ND	ND	ND	0.00041
Nickel, SPLP	0.1	0.2	0.18	0.19	0.22	0.11	0.17	0.22	0.2	ND	0.19	0.21	0.24
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015 J
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.52	0.57	0.46 J	0.75 J	0.34 J	0.49 J	0.57 J	0.7 J	ND	0.63	0.72 J	0.68

Summary Table of Agricultural Land (ISGS Site No. 3079V-44)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL44-10	VC50-2
Sample Date		1/21/2020	1/22/2020
Field Sample ID		AL44-10(0-3)-012120	VC50-2(0-5)-012220
ISGS Site No.		3079V-44	3079V-50
Laboratory pH	<6.25, >9.0	8.3	7.6
VOCs		**No Exceedances**	
SVOCs (mg/kg)			
2,4,5-Trichlorophenol	26	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND
2,4-Dichlorophenol	1	ND	ND
2-Methylnaphthalene	---	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND
Acenaphthene	570	ND	ND
Acenaphthylene	---	ND	0.011 J
Anthracene	12000	ND	0.03 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.014 J	0.31
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.023 J	0.56
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.03 J	0.86
Benzo(g,h,i)perylene	---	0.023 J	0.34
Benzo(k)fluoranthene	9	0.02 J	0.31
bis(2-Ethylhexyl)phthalate	46	ND	ND
Butyl benzyl phthalate	930	ND	ND
Carbazole	0.6	ND	ND
Chrysene	88	0.022 J	0.45
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	0.013 J	0.074
Dibenzofuran	---	ND	ND
Di-N-Butyl phthalate	2300	ND	ND
Fluoranthene	3100	0.013 J	0.57
Fluorene	560	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.028 J	0.28
Naphthalene	1.8	ND	0.0074 J
Pentachlorophenol	0.03	ND	ND
Phenanthrene	---	ND	0.12
Pyrene	2300	0.017 J	0.54
Pesticides (mg/kg)			
4,4-DDD	3	---	---
4,4-DDE	2	---	---
Dieldrin	0.603	---	---
PCBs (mg/kg)			
Aroclor-1248	1	---	---

Summary Table of Agricultural Land (ISGS Site No. 3079V-44)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL44-10	VC50-2
Sample Date		1/21/2020	1/22/2020
Field Sample ID		AL44-10(0-3)-012120	VC50-2(0-5)-012220
ISGS Site No.		3079V-44	3079V-50
Total Inorganics (mg/kg)			
Aluminum, Total	---	ND	ND
Antimony, Total	5	0.44 J	0.24 J
Arsenic, Total	11.3 / 13.0	3.9	5.5
Barium, Total	1500	54	110
Beryllium, Total	22	0.81	0.98
Cadmium, Total	5.2	0.15	0.19 J
Calcium, Total	---	86000 B	3200 B
Chromium, Total	21	18	23
Cobalt, Total	20	8.9	13
Copper, Total	2900	14	18
Cyanide, Total	0.2	---	---
Iron, Total	15000 / 15900	15000	19000
Lead, Total	107	9.9	17
Magnesium, Total	325000	32000	3700
Manganese, Total	630 / 636	370	320
Mercury, Total	0.89	0.014 J	0.027
Nickel, Total	100	27	26
Potassium, Total	---	3100	2900
Selenium, Total	1.3	ND	0.35 J
Silver, Total	4.4	2.7	4
Sodium, Total	---	1400	380
Thallium, Total	2.6	ND	ND
Vanadium, Total	550	21	33
Zinc, Total	5100	43	74 B
TCLP Metals (mg/l)			
Arsenic, TCLP	0.05	ND	ND
Barium, TCLP	2	0.37 J	0.54
Beryllium, TCLP	0.004	ND	ND
Cadmium, TCLP	0.005	ND	ND
Chromium, TCLP	0.1	ND	ND
Cobalt, TCLP	1	ND	0.042
Copper, TCLP	0.65	ND	ND
Iron, TCLP	5	ND	ND
Lead, TCLP	0.0075	ND	0.014
Manganese, TCLP	0.15	1.8	11
Mercury, TCLP	0.002	ND	ND
Nickel, TCLP	0.1	ND	0.021 J
Selenium, TCLP	0.05	ND	ND
Silver, TCLP	0.05	ND	ND
Thallium, TCLP	0.002	ND	ND
Zinc, TCLP	5	0.27 J	ND

Summary Table of Agricultural Land (ISGS Site No. 3079V-44)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL44-10	VC50-2
Sample Date		1/21/2020	1/22/2020
Field Sample ID		AL44-10(0-3)-012120	VC50-2(0-5)-012220
ISGS Site No.		3079V-44	3079V-50
SPLP Metals (mg/l)			
Arsenic, SPLP	0.05	0.077	0.016 J
Barium, SPLP	2	0.72	0.42 J
Beryllium, SPLP	0.004	0.012	0.0041
Cadmium, SPLP	0.005	ND	ND
Chromium, SPLP	0.1	0.24	0.1
Cobalt, SPLP	1	0.089	0.029
Copper, SPLP	0.65	0.22	0.1
Iron, SPLP	5	210	93
Lead, SPLP	0.0075	0.1	0.11
Manganese, SPLP	0.15	1.5	0.56
Mercury, SPLP	0.002	ND	ND
Nickel, SPLP	0.1	0.27	0.087
Selenium, SPLP	0.05	ND	ND
Silver, SPLP	0.05	0.013 J	ND
Thallium, SPLP	0.002	ND	ND
Zinc, SPLP	5	0.41 J	0.43 J

Notes:

--- - not applicable or value not available.
Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA
ND - Constituent not detected above the reporting limit.
J - Estimated concentration.
Yellow shaded values indicate concentration exceeds MAC Table 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: 500-176711-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
1/31/2020 6:08:03 PM

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

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: AL44-10(0-3)-012120

Date Collected: 01/21/20 15:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-1

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Acetone	**10**	**J**	15	6.6	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*01/22/20 17:10*	*01/30/20 05:04*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/22/20 17:10*	*01/30/20 05:04*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*01/22/20 17:10*	*01/30/20 05:04*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*01/22/20 17:10*	*01/30/20 05:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176711-1

Client Sample ID: AL44-10(0-3)-012120
Date Collected: 01/21/20 15:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-1
Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Methylphenol	<190		190	60	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Nitroaniline	<190	*	190	50	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
3,3'-Dichlorobenzidine	<190	*	190	52	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Chloro-3-methylphenol	<370	*	370	130	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
4-Nitrophenol	<750	*	750	350	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Anthracene	<37		37	6.2	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Benzo[a]anthracene	**14**	**J**	37	5.0	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Benzo[a]pyrene	**23**	**J**	37	7.2	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Benzo[b]fluoranthene	**30**	**J**	37	8.0	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Benzo[g,h,i]perylene	**23**	**J**	37	12	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Benzo[k]fluoranthene	**20**	**J**	37	11	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Carbazole	<190	*	190	93	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Chrysene	**22**	**J**	37	10	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Dibenz(a,h)anthracene	**13**	**J**	37	7.2	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Dibenzofuran	<190		190	44	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Fluoranthene	**13**	**J**	37	6.9	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Fluorene	<37		37	5.2	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Hexachloroethane	<190		190	57	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1

Client Sample ID: AL44-10(0-3)-012120

Date Collected: 01/21/20 15:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-1

Matrix: Solid
Percent Solids: 85.3

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	**28**	**J**	37	9.6	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Isophorone	<190	*	190	42	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Naphthalene	<37		37	5.7	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Nitrobenzene	<37	*	37	9.3	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
N-Nitrosodiphenylamine	<190	*	190	44	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Phenol	<190		190	83	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1
Pyrene	**17**	**J**	37	7.4	ug/Kg	☼	01/24/20 15:43	01/27/20 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*31 - 143*	*01/24/20 15:43*	*01/27/20 16:53*	*1*
2-Fluorobiphenyl	*97*		*43 - 145*	*01/24/20 15:43*	*01/27/20 16:53*	*1*
2-Fluorophenol	*114*		*31 - 166*	*01/24/20 15:43*	*01/27/20 16:53*	*1*
Nitrobenzene-d5	*98*		*37 - 147*	*01/24/20 15:43*	*01/27/20 16:53*	*1*
Phenol-d5	*109*		*30 - 153*	*01/24/20 15:43*	*01/27/20 16:53*	*1*
Terphenyl-d14	*134*		*42 - 157*	*01/24/20 15:43*	*01/27/20 16:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		01/29/20 15:09	01/30/20 11:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/29/20 15:09	01/30/20 11:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:09	01/30/20 11:48	1
Chromium	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Cobalt	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Copper	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Iron	<0.40		0.40	0.20	mg/L		01/29/20 15:09	01/30/20 11:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/29/20 15:09	01/30/20 11:48	1
Manganese	**1.8**		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Nickel	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:09	01/30/20 11:48	1
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 11:48	1
Zinc	**0.27**	**J B**	0.50	0.020	mg/L		01/29/20 15:09	01/30/20 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.077**		0.050	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Barium	**0.72**		0.50	0.050	mg/L		01/29/20 15:05	01/30/20 15:47	1
Beryllium	**0.012**		0.0040	0.0040	mg/L		01/29/20 15:05	01/30/20 15:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:05	01/30/20 15:47	1
Chromium	**0.24**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Cobalt	**0.089**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Copper	**0.22**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Iron	**210**		0.40	0.20	mg/L		01/29/20 15:05	01/30/20 15:47	1
Lead	**0.10**		0.0075	0.0075	mg/L		01/29/20 15:05	01/30/20 15:47	1
Manganese	**1.5**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Nickel	**0.27**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:05	01/30/20 15:47	1

Client Sample ID: AL44-10(0-3)-012120

Date Collected: 01/21/20 15:20
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-1

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.013	J	0.025	0.010	mg/L		01/29/20 15:05	01/30/20 15:47	1
Zinc	0.41	J	0.50	0.020	mg/L		01/29/20 15:05	01/31/20 10:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.2	0.23	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Arsenic	3.9		0.58	0.20	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Barium	54		0.58	0.066	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Beryllium	0.81		0.23	0.054	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Cadmium	0.15		0.12	0.021	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Calcium	86000	B	120	20	mg/Kg	☼	01/24/20 07:31	01/27/20 12:05	10
Chromium	18		0.58	0.29	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Cobalt	8.9		0.29	0.076	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Copper	14		0.58	0.16	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Iron	15000		12	6.0	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Lead	9.9		0.29	0.13	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Magnesium	32000		5.8	2.9	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Manganese	370		0.58	0.084	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Nickel	27		0.58	0.17	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Potassium	3100		29	10	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Silver	2.7		0.29	0.075	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Sodium	1400		58	8.6	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Vanadium	21		0.29	0.069	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	1
Zinc	43		1.2	0.51	mg/Kg	☼	01/24/20 07:31	01/25/20 02:47	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		01/30/20 10:35	01/31/20 09:40	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		01/30/20 10:35	01/31/20 08:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	19	6.2	ug/Kg	☼	01/29/20 14:20	01/30/20 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			01/28/20 16:55	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176711-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-176711 COC

(optional)
Report To
Contact: Andrus Siesers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176711
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 45,43,5.6

Client: Weston Solutions, Inc
Client Project #: 02056.016.009
Project Name: IDOT Grayslake
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D+Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		AL44-10(0-3)-012120	1/21/20	1520	5	S	X	X	X	X	X					
2		CP24-1(0-4)-012120		1510												
3		CP24-2(0-4)-012120		1505												
4		CB23-1(0-4)-012120		1450												
5		R39-1(0-4)-012120		1435												
6		R42-1(0-5)-012120		1420												
7		R42-2(0-5)-012120		1410												
8		SQ-2(0-5)-012120		1400												
9		SQ-2(0-5)-012120D		1400												
10		CM-4(0-3)-012120		1325												

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
[signature]	Weston	1/21/20	1700	[signature]	Weston	1-21-20	1700
[signature]	Weston	1-22-20	1115	[signature]	TA	1-22-20	1115
[signature]	TA	1-22-20	1415	[signature]	TACHI	1/22/20	1415

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
Some T-kits have gray vial, and some do not. MD verified that this is ok with QW.

Lab Comments:

TAL-4124-500 (1209)

1/31/2020

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-176790-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
2/6/2020 4:36:29 PM
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Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: AL44-3(0-2)-012220

Date Collected: 01/22/20 15:25
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-1

Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Acetone	**11**	**J**	15	6.6	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1
Xylenes, Total	<3.0		3.0	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*	*01/23/20 16:35*	*01/31/20 07:04*	*1*
4-Bromofluorobenzene (Surr)	*106*		*75 - 131*	*01/23/20 16:35*	*01/31/20 07:04*	*1*
Dibromofluoromethane	*90*		*75 - 126*	*01/23/20 16:35*	*01/31/20 07:04*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*01/23/20 16:35*	*01/31/20 07:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2,2'-oxybis[1-chloropropane]	<190	*	190	45	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Client Sample ID: AL44-3(0-2)-012220
Date Collected: 01/22/20 15:25
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-1
Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2-Methylphenol	<190		190	62	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Anthracene	<38	*	38	6.5	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Benzo[a]anthracene	**21**	**J**	38	5.2	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Benzo[a]pyrene	**40**		38	7.5	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Benzo[b]fluoranthene	**37**	**J**	38	8.3	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Benzo[g,h,i]perylene	**17**	**J**	38	12	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Benzo[k]fluoranthene	**12**	**J**	38	11	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Carbazole	<190		190	97	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Chrysene	**31**	**J**	38	11	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Dibenzofuran	<190		190	45	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Fluoranthene	**35**	**J**	38	7.2	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Fluorene	<38		38	5.4	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Hexachloroethane	<190		190	59	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1

Client Sample ID: AL44-3(0-2)-012220

Date Collected: 01/22/20 15:25
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-1

Matrix: Solid
Percent Solids: 84.3

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	**11**	**J**	38	10	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Isophorone	<190		190	43	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Naphthalene	<38		38	5.9	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
N-Nitrosodiphenylamine	<190	*	190	46	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Phenanthrene	**16**	**J**	38	5.4	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Phenol	<190		190	86	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1
Pyrene	**36**	**J**	38	7.7	ug/Kg	☼	01/31/20 07:50	02/01/20 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*31 - 143*	*01/31/20 07:50*	*02/01/20 00:06*	*1*
2-Fluorobiphenyl	*87*		*43 - 145*	*01/31/20 07:50*	*02/01/20 00:06*	*1*
2-Fluorophenol	*111*		*31 - 166*	*01/31/20 07:50*	*02/01/20 00:06*	*1*
Nitrobenzene-d5	*77*		*37 - 147*	*01/31/20 07:50*	*02/01/20 00:06*	*1*
Phenol-d5	*94*		*30 - 153*	*01/31/20 07:50*	*02/01/20 00:06*	*1*
Terphenyl-d14	*130*		*42 - 157*	*01/31/20 07:50*	*02/01/20 00:06*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 17:43	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 17:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 17:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 17:43	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:43	1
Cobalt	**0.011**	**J**	0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:43	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:43	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 17:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 17:43	1
Manganese	**3.9**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:43	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:43	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 17:43	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:43	1
Zinc	**0.095**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.077**		0.050	0.010	mg/L		01/31/20 15:46	02/03/20 15:33	1
Barium	**0.67**		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:33	1
Beryllium	**0.011**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:33	1
Chromium	**0.22**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:33	1
Cobalt	**0.11**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:33	1
Copper	**0.25**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:33	1
Iron	**220**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:33	1
Lead	**0.17**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:33	1
Manganese	**1.9**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:33	1
Nickel	**0.27**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:33	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:33	1

Client Sample ID: AL44-3(0-2)-012220

Date Collected: 01/22/20 15:25
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-1

Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.019	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:33	1
Zinc	0.55		0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.1	0.21	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Arsenic	5.7		0.55	0.19	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Barium	59		0.55	0.062	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Beryllium	0.88		0.22	0.051	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Cadmium	0.26	B	0.11	0.020	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Calcium	26000	B	11	1.9	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Chromium	20		0.55	0.27	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Cobalt	12		0.27	0.072	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Copper	21		0.55	0.15	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Iron	17000		11	5.7	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Lead	27		0.27	0.13	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Magnesium	17000		5.5	2.7	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Manganese	310		0.55	0.079	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Nickel	28		0.55	0.16	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Potassium	2700		27	9.7	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Selenium	0.55		0.55	0.32	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Silver	3.0		0.27	0.071	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Sodium	2100		55	8.1	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Vanadium	30		0.27	0.065	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	1
Zinc	65		1.1	0.48	mg/Kg	☼	01/27/20 07:36	01/30/20 02:59	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		02/04/20 10:25	02/05/20 09:37	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		02/04/20 10:25	02/05/20 10:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	18	J	19	6.3	ug/Kg	☼	02/04/20 13:55	02/05/20 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL44-2(0-3)-012220

Date Collected: 01/22/20 15:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-2

Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,1,2-Trichloroethane	<1.5		1.5	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,1-Dichloroethane	<1.5		1.5	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,1-Dichloroethene	<1.5		1.5	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,3-Dichloropropene, Total	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Acetone	**7.2**	**J**	15	6.3	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Benzene	<1.5		1.5	0.37	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Bromomethane	<3.6		3.6	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Carbon disulfide	<3.6		3.6	0.76	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Carbon tetrachloride	<1.5		1.5	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Chlorobenzene	<1.5		1.5	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Chloroethane	<3.6		3.6	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Chloromethane	<3.6		3.6	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
cis-1,3-Dichloropropene	<1.5		1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Dibromochloromethane	<1.5		1.5	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Ethylbenzene	<1.5		1.5	0.70	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Methyl tert-butyl ether	<1.5		1.5	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Styrene	<1.5		1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Tetrachloroethene	<1.5		1.5	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
trans-1,2-Dichloroethene	<1.5		1.5	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
trans-1,3-Dichloropropene	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Trichloroethene	<1.5		1.5	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Vinyl chloride	<1.5		1.5	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Xylenes, Total	<2.9		2.9	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 134*	*01/23/20 16:35*	*01/31/20 07:29*	*1*
4-Bromofluorobenzene (Surr)	*112*		*75 - 131*	*01/23/20 16:35*	*01/31/20 07:29*	*1*
Dibromofluoromethane	*88*		*75 - 126*	*01/23/20 16:35*	*01/31/20 07:29*	*1*
Toluene-d8 (Surr)	*102*		*75 - 124*	*01/23/20 16:35*	*01/31/20 07:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2,2'-oxybis[1-chloropropane]	<200	*	200	45	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Client Sample ID: AL44-2(0-3)-012220
Date Collected: 01/22/20 15:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-2
Matrix: Solid
Percent Solids: 82.1

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	☼	01/31/20 07:50	02/01/20 00:36	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2-Methylphenol	<200		200	63	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Anthracene	<39	*	39	6.5	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Carbazole	<200		200	97	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Chrysene	<39		39	11	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Fluoranthene	**11**	**J**	39	7.2	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Fluorene	<39		39	5.5	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Hexachloroethane	<200		200	59	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1

Client Sample ID: AL44-2(0-3)-012220

Date Collected: 01/22/20 15:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-2

Matrix: Solid
Percent Solids: 82.1

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	☼	01/31/20 07:50	02/01/20 00:36	1
Isophorone	<200		200	44	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Naphthalene	<39		39	6.0	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
N-Nitrosodiphenylamine	<200	*	200	46	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Phenol	<200		200	87	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1
Pyrene	**11**	**J**	39	7.7	ug/Kg	☼	01/31/20 07:50	02/01/20 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*31 - 143*	*01/31/20 07:50*	*02/01/20 00:36*	*1*
2-Fluorobiphenyl	*77*		*43 - 145*	*01/31/20 07:50*	*02/01/20 00:36*	*1*
2-Fluorophenol	*105*		*31 - 166*	*01/31/20 07:50*	*02/01/20 00:36*	*1*
Nitrobenzene-d5	*68*		*37 - 147*	*01/31/20 07:50*	*02/01/20 00:36*	*1*
Phenol-d5	*85*		*30 - 153*	*01/31/20 07:50*	*02/01/20 00:36*	*1*
Terphenyl-d14	*106*		*42 - 157*	*01/31/20 07:50*	*02/01/20 00:36*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 17:48	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 17:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 17:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 17:48	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:48	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:48	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:48	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 17:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 17:48	1
Manganese	**2.2**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:48	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:48	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 17:48	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:48	1
Zinc	**0.032**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.057**		0.050	0.010	mg/L		01/31/20 15:46	02/03/20 15:37	1
Barium	**0.50**		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:37	1
Beryllium	**0.0070**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:37	1
Chromium	**0.14**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:37	1
Cobalt	**0.061**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:37	1
Copper	**0.16**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:37	1
Iron	**160**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:37	1
Lead	**0.085**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:37	1
Manganese	**0.99**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:37	1
Nickel	**0.17**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:37	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:37	1

Client Sample ID: AL44-2(0-3)-012220
Date Collected: 01/22/20 15:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-2
Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.011	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:37	1
Zinc	0.35	J	0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:37	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	☼	01/27/20 07:36	01/30/20 03:03	1
Arsenic	4.7		0.59	0.20	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Barium	58		0.59	0.067	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Beryllium	0.83		0.24	0.055	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Cadmium	0.27	B	0.12	0.021	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Calcium	21000	B	12	2.0	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Chromium	20		0.59	0.29	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Cobalt	10		0.29	0.077	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Copper	20		0.59	0.16	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Iron	16000		12	6.1	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Lead	15		0.29	0.14	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Magnesium	15000		5.9	2.9	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Manganese	220		0.59	0.085	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Nickel	27		0.59	0.17	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Potassium	2400		29	10	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Selenium	0.54	J	0.59	0.35	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Silver	3.5		0.29	0.076	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Sodium	1100		59	8.7	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Vanadium	29		0.29	0.070	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	1
Zinc	61		1.2	0.52	mg/Kg	☼	01/27/20 07:36	01/30/20 03:03	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		02/04/20 10:25	02/05/20 09:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.28		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	20	6.5	ug/Kg	☼	02/04/20 13:55	02/05/20 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL44-1(0-2)-012220

Date Collected: 01/22/20 15:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-3

Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Acetone	**13**	**J**	17	7.4	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Carbon disulfide	<4.2		4.2	0.88	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Chloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Ethylbenzene	<1.7		1.7	0.81	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
methyl isobutyl ketone	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
trans-1,2-Dichloroethene	<1.7		1.7	0.75	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 07:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*	*01/23/20 16:35*	*01/31/20 07:54*	*1*
4-Bromofluorobenzene (Surr)	*106*		*75 - 131*	*01/23/20 16:35*	*01/31/20 07:54*	*1*
Dibromofluoromethane	*96*		*75 - 126*	*01/23/20 16:35*	*01/31/20 07:54*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*01/23/20 16:35*	*01/31/20 07:54*	*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	☼	01/31/20 07:50	02/01/20 01:06	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2,2'-oxybis[1-chloropropane]	<200	*	200	46	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Client Sample ID: AL44-1(0-2)-012220
Date Collected: 01/22/20 15:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-3
Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2-Methylnaphthalene	<81		81	7.3	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Anthracene	<40	*	40	6.7	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Benzo[a]anthracene	**12**	**J**	40	5.4	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Benzo[a]pyrene	**31**	**J**	40	7.7	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Benzo[b]fluoranthene	**22**	**J**	40	8.6	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Carbazole	<200		200	100	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Chrysene	**14**	**J**	40	11	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Fluoranthene	**19**	**J**	40	7.4	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Fluorene	<40		40	5.6	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Hexachloroethane	<200		200	61	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1

Client Sample ID: AL44-1(0-2)-012220

Date Collected: 01/22/20 15:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-3

Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Isophorone	<200		200	45	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Naphthalene	<40		40	6.1	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Nitrobenzene	<40		40	10	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
N-Nitrosodiphenylamine	<200	*	200	47	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Phenol	<200		200	89	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1
Pyrene	**15**	**J**	40	7.9	ug/Kg	☼	01/31/20 07:50	02/01/20 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*31 - 143*	*01/31/20 07:50*	*02/01/20 01:06*	*1*
2-Fluorobiphenyl	*76*		*43 - 145*	*01/31/20 07:50*	*02/01/20 01:06*	*1*
2-Fluorophenol	*104*		*31 - 166*	*01/31/20 07:50*	*02/01/20 01:06*	*1*
Nitrobenzene-d5	*70*		*37 - 147*	*01/31/20 07:50*	*02/01/20 01:06*	*1*
Phenol-d5	*89*		*30 - 153*	*01/31/20 07:50*	*02/01/20 01:06*	*1*
Terphenyl-d14	*94*		*42 - 157*	*01/31/20 07:50*	*02/01/20 01:06*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 17:53	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 17:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 17:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 17:53	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:53	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:53	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:53	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 17:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 17:53	1
Manganese	**2.0**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:53	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:53	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 17:53	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:53	1
Zinc	**0.35**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 17:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.023**	**J**	0.050	0.010	mg/L		01/31/20 15:46	02/03/20 15:41	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:41	1
Chromium	**0.057**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:41	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:41	1
Copper	**0.064**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:41	1
Iron	**60**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:41	1
Lead	**0.025**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:41	1
Manganese	**0.27**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:41	1
Nickel	**0.057**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:41	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:41	1

Client Sample ID: AL44-1(0-2)-012220

Date Collected: 01/22/20 15:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-3

Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:41	1
Zinc	**0.15**	**J**	0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.44**	**J**	1.1	0.22	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Arsenic	**7.7**		0.57	0.19	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Barium	**32**		0.57	0.065	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Beryllium	**0.62**		0.23	0.053	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Cadmium	**0.29**	**B**	0.11	0.020	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Calcium	**83000**	**B**	110	19	mg/Kg	☼	01/27/20 07:36	01/30/20 15:54	10
Chromium	**14**		0.57	0.28	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Cobalt	**9.3**		0.28	0.074	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Copper	**22**		0.57	0.16	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Iron	**16000**		11	5.9	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Lead	**14**		0.28	0.13	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Magnesium	**34000**		5.7	2.8	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Manganese	**470**		0.57	0.082	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Nickel	**24**		0.57	0.17	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Potassium	**1700**		28	10	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Selenium	**0.45**	**J**	0.57	0.33	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Silver	**2.1**		0.28	0.073	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Sodium	**600**		57	8.4	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Vanadium	**19**		0.28	0.067	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	1
Zinc	**56**		1.1	0.50	mg/Kg	☼	01/27/20 07:36	01/30/20 03:07	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		02/04/20 10:25	02/05/20 09:44	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		02/04/20 10:25	02/05/20 10:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		19	6.2	ug/Kg	☼	02/04/20 13:55	02/05/20 08:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.9**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL44-9(0-2)-012220

Date Collected: 01/22/20 14:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-8

Matrix: Solid
Percent Solids: 78.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,1,2-Trichloroethane	<1.9		1.9	0.80	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,1-Dichloroethane	<1.9		1.9	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,1-Dichloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,2-Dichloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,2-Dichloropropane	<1.9		1.9	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
1,3-Dichloropropene, Total	<1.9		1.9	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Acetone	**15**	**J**	19	8.1	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Benzene	<1.9		1.9	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Bromoform	<1.9		1.9	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Bromomethane	<4.6		4.6	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Carbon disulfide	<4.6		4.6	0.97	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Carbon tetrachloride	<1.9		1.9	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Chlorobenzene	<1.9		1.9	0.69	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Chloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Chloroform	<1.9		1.9	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Chloromethane	<4.6		4.6	1.9	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
cis-1,2-Dichloroethene	<1.9		1.9	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
cis-1,3-Dichloropropene	<1.9		1.9	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Ethylbenzene	<1.9		1.9	0.89	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Methyl Ethyl Ketone	<4.6		4.6	2.1	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
methyl isobutyl ketone	<4.6		4.6	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Methyl tert-butyl ether	<1.9		1.9	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Methylene Chloride	<4.6		4.6	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Styrene	<1.9		1.9	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Tetrachloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
trans-1,2-Dichloroethene	<1.9		1.9	0.82	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
trans-1,3-Dichloropropene	<1.9		1.9	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Trichloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Vinyl chloride	<1.9		1.9	0.82	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1
Xylenes, Total	<3.7		3.7	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 07:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*	*01/23/20 16:35*	*01/31/20 07:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/23/20 16:35*	*01/31/20 07:29*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*01/23/20 16:35*	*01/31/20 07:29*	*1*
Toluene-d8 (Surr)	*88*		*75 - 124*	*01/23/20 16:35*	*01/31/20 07:29*	*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	☼	01/31/20 07:50	02/03/20 13:17	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2,2'-oxybis[1-chloropropane]	<210	*	210	48	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1

Client Sample ID: AL44-9(0-2)-012220
Date Collected: 01/22/20 14:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-8
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	<410		410	95	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2-Methylnaphthalene	<84		84	7.6	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2-Methylphenol	<210		210	67	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
4,6-Dinitro-2-methylphenol	<840		840	330	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
4-Chloroaniline	<840		840	190	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
4-Nitrophenol	<840		840	390	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Acenaphthylene	<41		41	5.5	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Anthracene	<41	*	41	6.9	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Benzo[a]anthracene	**24**	**J**	41	5.6	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Benzo[a]pyrene	**34**	**J**	41	8.0	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Benzo[b]fluoranthene	**51**		41	9.0	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Benzo[g,h,i]perylene	**20**	**J**	41	13	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Benzo[k]fluoranthene	**25**	**J**	41	12	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Carbazole	<210		210	100	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Chrysene	**32**	**J**	41	11	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Dibenzofuran	<210		210	49	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Fluoranthene	**51**		41	7.7	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Fluorene	<41		41	5.8	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Hexachlorobenzene	<84		84	9.6	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Hexachloroethane	<210		210	63	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Client Sample ID: AL44-9(0-2)-012220
Date Collected: 01/22/20 14:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-8
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	**19**	**J**	41	11	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Isophorone	<210		210	47	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Naphthalene	<41		41	6.4	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Nitrobenzene	<41		41	10	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
N-Nitrosodi-n-propylamine	<84		84	51	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
N-Nitrosodiphenylamine	<210	*	210	49	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Phenanthrene	**23**	**J**	41	5.8	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Phenol	<210		210	92	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1
Pyrene	**48**		41	8.2	ug/Kg	☼	01/31/20 07:50	02/03/20 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*53*		*31 - 143*	*01/31/20 07:50*	*02/03/20 13:17*	*1*
2-Fluorobiphenyl	*66*		*43 - 145*	*01/31/20 07:50*	*02/03/20 13:17*	*1*
2-Fluorophenol	*90*		*31 - 166*	*01/31/20 07:50*	*02/03/20 13:17*	*1*
Nitrobenzene-d5	*59*		*37 - 147*	*01/31/20 07:50*	*02/03/20 13:17*	*1*
Phenol-d5	*93*		*30 - 153*	*01/31/20 07:50*	*02/03/20 13:17*	*1*
Terphenyl-d14	*106*		*42 - 157*	*01/31/20 07:50*	*02/03/20 13:17*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 18:24	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 18:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 18:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 18:24	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:24	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:24	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:24	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 18:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 18:24	1
Manganese	**0.95**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:24	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:24	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 18:24	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:24	1
Zinc	<0.50		0.50	0.020	mg/L		01/31/20 15:55	02/03/20 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.076**		0.050	0.010	mg/L		01/31/20 15:46	02/03/20 16:08	1
Barium	**0.82**		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 16:08	1
Beryllium	**0.012**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 16:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 16:08	1
Chromium	**0.24**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 16:08	1
Cobalt	**0.054**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 16:08	1
Copper	**0.23**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 16:08	1
Iron	**250**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 16:08	1
Lead	**0.075**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 16:08	1
Manganese	**0.95**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 16:08	1
Nickel	**0.24**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 16:08	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 16:08	1

Client Sample ID: AL44-9(0-2)-012220

Date Collected: 01/22/20 14:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-8

Matrix: Solid
Percent Solids: 78.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.015	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 16:08	1
Zinc	0.68		0.50	0.020	mg/L		01/31/20 15:46	02/03/20 16:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J	1.2	0.23	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Arsenic	6.7		0.59	0.20	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Barium	81		0.59	0.068	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Beryllium	1.2		0.24	0.055	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Cadmium	0.19	B	0.12	0.021	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Calcium	2000	B	12	2.0	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Chromium	28		0.59	0.29	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Cobalt	18		0.30	0.078	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Copper	27		0.59	0.17	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Iron	26000		12	6.2	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Lead	18		0.30	0.14	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Magnesium	6100		5.9	2.9	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Manganese	630		0.59	0.086	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Nickel	47		0.59	0.17	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Potassium	3400		30	11	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Selenium	0.48	J	0.59	0.35	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Silver	4.4		0.30	0.077	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Sodium	1700		59	8.8	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Thallium	<0.59		0.59	0.30	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Vanadium	35		0.30	0.070	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1
Zinc	82		1.2	0.52	mg/Kg	☼	01/27/20 07:36	01/30/20 03:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.41		0.33	0.33	ug/L		02/04/20 10:25	02/05/20 10:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		20	6.5	ug/Kg	☼	02/04/20 13:55	02/05/20 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			01/29/20 20:55	1

Client Sample ID: AL44-7(0-2)-012220

Date Collected: 01/22/20 14:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-10

Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Acetone	**23**		16	6.9	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Carbon disulfide	<4.0		4.0	0.82	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 08:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/23/20 16:35*	*01/31/20 08:20*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*01/23/20 16:35*	*01/31/20 08:20*	*1*
Dibromofluoromethane	*104*		*75 - 126*	*01/23/20 16:35*	*01/31/20 08:20*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/23/20 16:35*	*01/31/20 08:20*	*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	☼	01/31/20 07:50	02/03/20 14:05	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2,2'-oxybis[1-chloropropane]	<190	*	190	44	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1

Client Sample ID: AL44-7(0-2)-012220
Date Collected: 01/22/20 14:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-10
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2-Methylphenol	<190		190	61	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Acenaphthylene	**13**	**J**	37	5.0	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Anthracene	**11**	**J ***	37	6.3	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Benzo[a]anthracene	**61**		37	5.1	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Benzo[a]pyrene	**90**		37	7.3	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Benzo[b]fluoranthene	**130**		37	8.1	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Benzo[g,h,i]perylene	**48**		37	12	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Benzo[k]fluoranthene	**58**		37	11	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Carbazole	<190		190	94	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Chrysene	**79**		37	10	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Dibenzofuran	<190		190	44	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Fluoranthene	**120**		37	7.0	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Fluorene	<37		37	5.3	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Hexachloroethane	<190		190	57	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1

Client Sample ID: AL44-7(0-2)-012220
Date Collected: 01/22/20 14:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-10
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**42**		37	9.8	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Isophorone	<190		190	42	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Naphthalene	<37		37	5.8	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
N-Nitrosodiphenylamine	<190	*	190	45	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Phenanthrene	**59**		37	5.3	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Phenol	<190		190	84	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1
Pyrene	**120**		37	7.5	ug/Kg	☼	01/31/20 07:50	02/03/20 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*31 - 143*	*01/31/20 07:50*	*02/03/20 14:05*	*1*
2-Fluorobiphenyl	*79*		*43 - 145*	*01/31/20 07:50*	*02/03/20 14:05*	*1*
2-Fluorophenol	*92*		*31 - 166*	*01/31/20 07:50*	*02/03/20 14:05*	*1*
Nitrobenzene-d5	*71*		*37 - 147*	*01/31/20 07:50*	*02/03/20 14:05*	*1*
Phenol-d5	*90*		*30 - 153*	*01/31/20 07:50*	*02/03/20 14:05*	*1*
Terphenyl-d14	*112*		*42 - 157*	*01/31/20 07:50*	*02/03/20 14:05*	*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		01/31/20 15:51	02/03/20 16:29	1
Barium	**0.54**		0.50	0.050	mg/L		01/31/20 15:51	02/03/20 16:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 16:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 16:29	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:29	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:29	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:29	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 16:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 16:29	1
Manganese	**0.44**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:29	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:29	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 16:29	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:29	1
Zinc	**0.30**	**J B ***	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.068**		0.050	0.010	mg/L		01/31/20 15:49	02/03/20 14:47	1
Barium	**0.66**		0.50	0.050	mg/L		01/31/20 15:49	02/03/20 14:47	1
Beryllium	**0.0071**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 14:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 14:47	1
Chromium	**0.18**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:47	1
Cobalt	**0.050**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:47	1
Copper	**0.21**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:47	1
Iron	**190**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 14:47	1
Lead	**0.17**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 14:47	1
Manganese	**1.1**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:47	1
Nickel	**0.19**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:47	1
Selenium	<0.050	F1	0.050	0.020	mg/L		01/31/20 15:49	02/03/20 14:47	1

Client Sample ID: AL44-7(0-2)-012220

Date Collected: 01/22/20 14:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-10

Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:47	1
Zinc	**0.63**		0.50	0.020	mg/L		01/31/20 15:49	02/03/20 14:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.50**	**J**	1.1	0.22	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Arsenic	**6.5**		0.56	0.19	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Barium	**62**		0.56	0.063	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Beryllium	**0.86**		0.22	0.052	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Cadmium	**0.31**	**B**	0.11	0.020	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Calcium	**49000**	**B**	110	19	mg/Kg	☼	01/27/20 07:36	01/30/20 16:12	10
Chromium	**20**		0.56	0.28	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Cobalt	**11**		0.28	0.073	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Copper	**24**		0.56	0.16	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Iron	**18000**		11	5.8	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Lead	**59**		0.28	0.13	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Magnesium	**22000**		5.6	2.8	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Manganese	**440**		0.56	0.081	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Nickel	**29**		0.56	0.16	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Potassium	**2900**		28	9.8	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Selenium	**0.64**		0.56	0.33	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Silver	**2.6**		0.28	0.072	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Sodium	**1100**		56	8.2	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Vanadium	**25**		0.28	0.066	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	1
Zinc	**95**		1.1	0.49	mg/Kg	☼	01/27/20 07:36	01/30/20 03:44	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		02/05/20 12:27	02/06/20 09:46	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		02/05/20 12:27	02/06/20 09:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		19	6.3	ug/Kg	☼	02/04/20 13:55	02/05/20 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			01/29/20 20:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
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)

TestAmerica

THE LEADER IN ENVIRONMENTA

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-176790 COC

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176790

Chain of Custody Number:

Page 5 of 5

Temperature °C of Cooler: 2.6, 5.7, 4.5, 5.1, 3.7

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D + Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		AL44-3(0-2)-012220	1/22/20	1525	6	S	x	x	x	x	x					
2		AL44-2(0-3)-012220		1530	6											
3		AL44-1(0-2)-012220		1535	6											
4		AL45-12(0-6)-012220		1515	5											
5		AL45-11(0-5)-012220		1505	6											
6		AL45-10(0-4)-012220		1500	6											
* 7		SB-1(0-2)-012220		1445	5											SB-1(0-2)-012220
8		AL44-9(0-2)-012220		1430	5											
9		AL44-8(0-2)-012220		1420	5											
10		AL44-7(0-2)-012220		1415	5											

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
[signature]	Weston	1/22/20	1730	Timothy A. Walls	Weston	1-22-20	1730
Timothy A. Walls	Weston	1-23-20	1137	P. Neal	TA	1/23/20	1137
P. Neal	TA	1/23/20	1323	Sheri Scott	TA CHI	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124 500 (1209)

2/6/2020

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ANALYTICAL REPORT

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

Laboratory Job ID: 500-221122-1
Client Project/Site: IDOT - Grayslake - WO 009C

For:
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Attn: Mr. Andris Slesers

Authorized for release by:
9/1/2022 1:49:19 PM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@et.eurofinsus.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-2(3-5)-081822

Date Collected: 08/18/22 09:55
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-1

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	**0.013**	**J**	0.017	0.0076	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Carbon disulfide	**0.0014**	**J**	0.0044	0.00091	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Chloroform	<0.0017		0.0017	0.00061	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	08/19/22 17:50	08/25/22 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*75 - 131*	*08/19/22 17:50*	*08/25/22 15:53*	*1*
Dibromofluoromethane (Surr)	*119*		*75 - 126*	*08/19/22 17:50*	*08/25/22 15:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 134*	*08/19/22 17:50*	*08/25/22 15:53*	*1*
Toluene-d8 (Surr)	*122*		*75 - 124*	*08/19/22 17:50*	*08/25/22 15:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1

Client Sample ID: AL44-2(3-5)-081822

Date Collected: 08/18/22 09:55
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-1

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	<0.39		0.39	0.089	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2-Chlorophenol	<0.20	*+	0.20	0.067	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
4-Nitroaniline	<0.39	F1	0.39	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Benzo[a]anthracene	**0.0054**	**J**	0.039	0.0052	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Benzo[a]pyrene	**0.013**	**J**	0.039	0.0075	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Benzo[b]fluoranthene	**0.019**	**J**	0.039	0.0084	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Bis(2-chloroethyl)ether	<0.20	F2 F1	0.20	0.058	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Chrysene	**0.012**	**J**	0.039	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Fluoranthene	**0.015**	**J**	0.039	0.0072	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Hexachlorocyclopentadiene	<0.79	F1	0.79	0.22	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1

Client Sample ID: AL44-2(3-5)-081822

Date Collected: 08/18/22 09:55
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-1

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	<0.039		0.039	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Phenanthrene	**0.0062**	**J**	0.039	0.0054	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1
Pyrene	**0.013**	**J**	0.039	0.0077	mg/Kg	☼	08/30/22 06:40	08/31/22 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*31 - 143*	*08/30/22 06:40*	*08/31/22 17:59*	*1*
2-Fluorobiphenyl (Surr)	*74*		*43 - 145*	*08/30/22 06:40*	*08/31/22 17:59*	*1*
2-Fluorophenol (Surr)	*99*		*31 - 166*	*08/30/22 06:40*	*08/31/22 17:59*	*1*
Nitrobenzene-d5 (Surr)	*56*		*37 - 147*	*08/30/22 06:40*	*08/31/22 17:59*	*1*
Phenol-d5 (Surr)	*73*		*30 - 153*	*08/30/22 06:40*	*08/31/22 17:59*	*1*
Terphenyl-d14 (Surr)	*99*		*42 - 157*	*08/30/22 06:40*	*08/31/22 17:59*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/26/22 16:35	08/29/22 20:01	1
Barium	**0.46**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 20:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 20:01	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 20:01	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:01	1
Cobalt	**0.023**	**J**	0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:01	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:01	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 20:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/30/22 11:34	1
Manganese	**6.2**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:01	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:01	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 20:01	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:01	1
Zinc	**0.078**	**J ^+**	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 20:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.065**		0.050	0.010	mg/L		08/26/22 16:40	08/29/22 17:05	1
Barium	**0.89**		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:05	1
Beryllium	**0.011**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:05	1
Chromium	**0.25**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:05	1
Cobalt	**0.083**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:05	1
Copper	**0.23**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:05	1
Iron	**240**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:05	1
Lead	**0.12**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:05	1
Manganese	**1.1**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:05	1
Nickel	**0.26**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:05	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:05	1

Client Sample ID: AL44-2(3-5)-081822

Date Collected: 08/18/22 09:55
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-1

Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:05	1
Zinc	**0.71**		0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		12	4.7	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Antimony	**0.48**	**J**	1.2	0.23	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Arsenic	**6.5**		0.58	0.20	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Barium	**75**		0.58	0.066	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Beryllium	**0.84**		0.23	0.054	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Cadmium	**0.056**	**J**	0.12	0.021	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Calcium	**30000**		12	2.0	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Chromium	**17**		0.58	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Cobalt	**12**		0.29	0.076	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Copper	**21**		0.58	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Iron	**19000**		12	6.0	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Lead	**17**		0.29	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Magnesium	**17000**		5.8	2.9	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Manganese	**470**		0.58	0.084	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Nickel	**27**		0.58	0.17	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Potassium	**1900**		29	10	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Silver	**0.27**	**J**	0.29	0.075	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Sodium	**1700**		58	8.6	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Vanadium	**23**		0.29	0.068	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1
Zinc	**64**		1.2	0.51	mg/Kg	☼	08/25/22 15:30	08/26/22 21:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**		0.019	0.0063	mg/Kg	☼	08/25/22 14:50	08/26/22 09:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			08/24/22 16:34	1

Client Sample ID: AL44-2(5-10)-081822

Date Collected: 08/18/22 10:25
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-2

Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.014	J	0.026	0.011	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Benzene	<0.0026		0.0026	0.00066	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Bromodichloromethane	<0.0026		0.0026	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Bromoform	<0.0026		0.0026	0.00076	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Bromomethane	<0.0065		0.0065	0.0025	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Carbon disulfide	<0.0065		0.0065	0.0014	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Carbon tetrachloride	<0.0026		0.0026	0.00075	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Chlorobenzene	<0.0026		0.0026	0.00096	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Chloroethane	<0.0065		0.0065	0.0019	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Chloroform	<0.0026		0.0026	0.00090	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Chloromethane	<0.0065		0.0065	0.0026	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
cis-1,2-Dichloroethene	<0.0026		0.0026	0.00073	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
cis-1,3-Dichloropropene	<0.0026		0.0026	0.00078	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Dibromochloromethane	<0.0026		0.0026	0.00085	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
1,1-Dichloroethane	<0.0026		0.0026	0.00089	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
1,2-Dichloroethane	<0.0065		0.0065	0.0020	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
1,1-Dichloroethene	<0.0026		0.0026	0.00089	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
1,2-Dichloropropane	<0.0026		0.0026	0.00067	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
1,3-Dichloropropene, Total	<0.0026		0.0026	0.00091	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Ethylbenzene	<0.0026		0.0026	0.0012	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
2-Hexanone	<0.0065		0.0065	0.0020	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Methylene Chloride	<0.0065		0.0065	0.0026	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Methyl Ethyl Ketone	<0.0065		0.0065	0.0029	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
methyl isobutyl ketone	<0.0065		0.0065	0.0019	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Methyl tert-butyl ether	<0.0026		0.0026	0.00076	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Styrene	<0.0026		0.0026	0.00079	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
1,1,2,2-Tetrachloroethane	<0.0026		0.0026	0.00083	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Tetrachloroethene	<0.0026		0.0026	0.00089	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Toluene	<0.0026		0.0026	0.00066	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
trans-1,2-Dichloroethene	<0.0026		0.0026	0.0012	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
trans-1,3-Dichloropropene	<0.0026		0.0026	0.00091	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
1,1,1-Trichloroethane	<0.0026		0.0026	0.00087	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
1,1,2-Trichloroethane	<0.0026		0.0026	0.0011	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Trichloroethene	<0.0026		0.0026	0.00088	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Vinyl chloride	<0.0026		0.0026	0.0012	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1
Xylenes, Total	<0.0052		0.0052	0.00083	mg/Kg	☼	08/19/22 17:50	08/25/22 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*08/19/22 17:50*	*08/25/22 16:17*	*1*
Dibromofluoromethane (Surr)	*124*		*75 - 126*	*08/19/22 17:50*	*08/25/22 16:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*70 - 134*	*08/19/22 17:50*	*08/25/22 16:17*	*1*
Toluene-d8 (Surr)	*109*		*75 - 124*	*08/19/22 17:50*	*08/25/22 16:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-2(5-10)-081822
Date Collected: 08/18/22 10:25
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-2
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2-Chlorophenol	<0.19	*+	0.19	0.065	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1

Client Sample ID: AL44-2(5-10)-081822

Date Collected: 08/18/22 10:25
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-2

Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	08/30/22 06:40	08/31/22 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*31 - 143*	*08/30/22 06:40*	*08/31/22 19:12*	*1*
2-Fluorobiphenyl (Surr)	*93*		*43 - 145*	*08/30/22 06:40*	*08/31/22 19:12*	*1*
2-Fluorophenol (Surr)	*118*		*31 - 166*	*08/30/22 06:40*	*08/31/22 19:12*	*1*
Nitrobenzene-d5 (Surr)	*68*		*37 - 147*	*08/30/22 06:40*	*08/31/22 19:12*	*1*
Phenol-d5 (Surr)	*100*		*30 - 153*	*08/30/22 06:40*	*08/31/22 19:12*	*1*
Terphenyl-d14 (Surr)	*118*		*42 - 157*	*08/30/22 06:40*	*08/31/22 19:12*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J**	0.050	0.010	mg/L		08/26/22 16:35	08/29/22 18:34	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 18:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 18:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 18:34	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:34	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:34	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:34	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 18:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/29/22 18:34	1
Manganese	**1.1**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:34	1
Nickel	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:34	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 18:34	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:34	1
Zinc	**0.029**	**J ^+ B *+**	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.072**		0.050	0.010	mg/L		08/26/22 16:40	08/29/22 17:08	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:08	1
Beryllium	**0.0063**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:08	1
Chromium	**0.13**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:08	1
Cobalt	**0.054**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:08	1
Copper	**0.18**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:08	1
Iron	**160**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:08	1
Lead	**0.067**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:08	1
Manganese	**0.64**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:08	1
Nickel	**0.17**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:08	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:08	1

Client Sample ID: AL44-2(5-10)-081822

Date Collected: 08/18/22 10:25
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-2

Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:08	1
Zinc	**0.44**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**		11	4.5	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Antimony	**0.32**	**J**	1.1	0.21	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Arsenic	**7.0**		0.55	0.19	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Barium	**33**		0.55	0.062	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Beryllium	**0.64**		0.22	0.051	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Cadmium	**0.043**	**J**	0.11	0.020	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Calcium	**70000**		55	9.3	mg/Kg	☼	08/25/22 15:30	08/29/22 14:21	5
Chromium	**14**		0.55	0.27	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Cobalt	**11**		0.27	0.072	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Copper	**20**		0.55	0.15	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Iron	**17000**		11	5.7	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Lead	**11**		0.27	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Magnesium	**33000**		5.5	2.7	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Manganese	**450**		0.55	0.079	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Nickel	**26**		0.55	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Potassium	**1800**		27	9.7	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Silver	**0.18**	**J**	0.27	0.071	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Sodium	**400**		55	8.1	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Thallium	**0.32**	**J**	0.55	0.27	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Vanadium	**17**		0.27	0.065	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1
Zinc	**55**		1.1	0.48	mg/Kg	☼	08/25/22 15:30	08/26/22 21:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**		0.018	0.0060	mg/Kg	☼	08/25/22 14:50	08/26/22 07:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			08/24/22 16:36	1

Client Sample ID: AL44-2(10-15)-081822

Date Collected: 08/18/22 10:35
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-3

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0090	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Benzene	<0.0021		0.0021	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Bromodichloromethane	<0.0021		0.0021	0.00042	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Bromoform	<0.0021		0.0021	0.00060	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Bromomethane	<0.0052		0.0052	0.0020	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Carbon disulfide	**0.0015**	**J**	0.0052	0.0011	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Carbon tetrachloride	<0.0021		0.0021	0.00060	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Chlorobenzene	<0.0021		0.0021	0.00076	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Chloroethane	<0.0052		0.0052	0.0015	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Chloroform	<0.0021		0.0021	0.00072	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Chloromethane	<0.0052		0.0052	0.0021	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00058	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00062	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Dibromochloromethane	<0.0021		0.0021	0.00068	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
1,1-Dichloroethane	<0.0021		0.0021	0.00071	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
1,2-Dichloroethane	<0.0052		0.0052	0.0016	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
1,1-Dichloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
1,2-Dichloropropane	<0.0021		0.0021	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00072	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Ethylbenzene	<0.0021		0.0021	0.00099	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Methylene Chloride	<0.0052		0.0052	0.0020	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Methyl Ethyl Ketone	<0.0052		0.0052	0.0023	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
methyl isobutyl ketone	<0.0052		0.0052	0.0015	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00061	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Styrene	<0.0021		0.0021	0.00062	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00066	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Tetrachloroethene	<0.0021		0.0021	0.00070	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Toluene	<0.0021		0.0021	0.00052	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00091	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00072	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
1,1,1-Trichloroethane	<0.0021		0.0021	0.00069	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00089	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Trichloroethene	<0.0021		0.0021	0.00070	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Vinyl chloride	<0.0021		0.0021	0.00091	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1
Xylenes, Total	<0.0041		0.0041	0.00066	mg/Kg	☼	08/19/22 17:50	08/25/22 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*75 - 131*	*08/19/22 17:50*	*08/25/22 16:42*	*1*
Dibromofluoromethane (Surr)	*126*		*75 - 126*	*08/19/22 17:50*	*08/25/22 16:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*70 - 134*	*08/19/22 17:50*	*08/25/22 16:42*	*1*
Toluene-d8 (Surr)	*113*		*75 - 124*	*08/19/22 17:50*	*08/25/22 16:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1

Client Sample ID: AL44-2(10-15)-081822
Date Collected: 08/18/22 10:35
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-3
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2-Chlorophenol	<0.19	*+	0.19	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Benzo[g,h,i]perylene	**0.015**	**J**	0.037	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Chrysene	**0.016**	**J**	0.037	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1

Client Sample ID: AL44-2(10-15)-081822

Date Collected: 08/18/22 10:35
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-3

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Phenanthrene	**0.030**	**J**	0.037	0.0052	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1
Pyrene	**0.016**	**J**	0.037	0.0074	mg/Kg	☼	08/30/22 06:40	08/31/22 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*31 - 143*	*08/30/22 06:40*	*08/31/22 19:36*	*1*
2-Fluorobiphenyl (Surr)	*91*		*43 - 145*	*08/30/22 06:40*	*08/31/22 19:36*	*1*
2-Fluorophenol (Surr)	*128*		*31 - 166*	*08/30/22 06:40*	*08/31/22 19:36*	*1*
Nitrobenzene-d5 (Surr)	*73*		*37 - 147*	*08/30/22 06:40*	*08/31/22 19:36*	*1*
Phenol-d5 (Surr)	*109*		*30 - 153*	*08/30/22 06:40*	*08/31/22 19:36*	*1*
Terphenyl-d14 (Surr)	*109*		*42 - 157*	*08/30/22 06:40*	*08/31/22 19:36*	*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		08/26/22 16:35	08/29/22 20:16	1
Barium	**0.55**		0.50	0.050	mg/L		08/26/22 16:35	08/29/22 20:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 20:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 20:16	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:16	1
Cobalt	**0.077**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:16	1
Copper	**0.056**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:16	1
Iron	**0.29**	**J**	0.40	0.20	mg/L		08/26/22 16:35	08/29/22 20:16	1
Lead	**0.0075**		0.0075	0.0075	mg/L		08/26/22 16:35	08/30/22 11:38	1
Manganese	**5.4**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:16	1
Nickel	**0.10**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:16	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 20:16	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:16	1
Zinc	**0.042**	**J ^+**	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 20:16	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		08/26/22 16:40	08/29/22 17:11	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:11	1
Chromium	**0.031**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:11	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:11	1
Copper	**0.023**	**J**	0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:11	1
Iron	**21**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:11	1
Manganese	**0.22**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:11	1
Nickel	**0.027**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:11	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:11	1

Client Sample ID: AL44-2(10-15)-081822

Date Collected: 08/18/22 10:35
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-3

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:11	1
Zinc	**0.060**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		11	4.5	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Antimony	**0.22**	**J**	1.1	0.21	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Arsenic	**4.4**		0.55	0.19	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Barium	**39**		0.55	0.062	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Beryllium	**0.72**		0.22	0.051	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Calcium	**76000**		55	9.3	mg/Kg	☼	08/25/22 15:30	08/29/22 14:24	5
Chromium	**16**		0.55	0.27	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Cobalt	**12**		0.27	0.072	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Copper	**22**		0.55	0.15	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Iron	**17000**		11	5.7	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Lead	**11**		0.27	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Magnesium	**32000**		5.5	2.7	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Manganese	**400**		0.55	0.079	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Nickel	**28**		0.55	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Potassium	**2700**		27	9.7	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Silver	**0.24**	**J**	0.27	0.070	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Sodium	**180**		55	8.1	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Vanadium	**19**		0.27	0.064	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1
Zinc	**47**		1.1	0.48	mg/Kg	☼	08/25/22 15:30	08/26/22 21:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**		0.016	0.0055	mg/Kg	☼	08/25/22 14:50	08/26/22 07:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			08/24/22 16:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-3(2-5)-081822
Date Collected: 08/18/22 10:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-4
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Carbon disulfide	<0.0038		0.0038	0.00078	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☼	08/19/22 17:50	08/25/22 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*08/19/22 17:50*	*08/25/22 17:06*	*1*
Dibromofluoromethane (Surr)	*123*		*75 - 126*	*08/19/22 17:50*	*08/25/22 17:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*70 - 134*	*08/19/22 17:50*	*08/25/22 17:06*	*1*
Toluene-d8 (Surr)	*108*		*75 - 124*	*08/19/22 17:50*	*08/25/22 17:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-3(2-5)-081822
Date Collected: 08/18/22 10:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-4
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2-Chlorophenol	<0.19	*+	0.19	0.065	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Benzo[a]anthracene	**0.0056**	**J**	0.038	0.0051	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Benzo[a]pyrene	**0.011**	**J**	0.038	0.0074	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Benzo[b]fluoranthene	**0.012**	**J**	0.038	0.0083	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Benzo[g,h,i]perylene	**0.012**	**J**	0.038	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Chrysene	**0.010**	**J**	0.038	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Fluoranthene	**0.0097**	**J**	0.038	0.0071	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1

Client Sample ID: AL44-3(2-5)-081822
Date Collected: 08/18/22 10:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-4
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1
Pyrene	**0.0090**	**J**	0.038	0.0076	mg/Kg	☼	08/30/22 06:40	08/31/22 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*31 - 143*	*08/30/22 06:40*	*08/31/22 20:01*	*1*
2-Fluorobiphenyl (Surr)	*81*		*43 - 145*	*08/30/22 06:40*	*08/31/22 20:01*	*1*
2-Fluorophenol (Surr)	*109*		*31 - 166*	*08/30/22 06:40*	*08/31/22 20:01*	*1*
Nitrobenzene-d5 (Surr)	*62*		*37 - 147*	*08/30/22 06:40*	*08/31/22 20:01*	*1*
Phenol-d5 (Surr)	*89*		*30 - 153*	*08/30/22 06:40*	*08/31/22 20:01*	*1*
Terphenyl-d14 (Surr)	*93*		*42 - 157*	*08/30/22 06:40*	*08/31/22 20:01*	*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		08/26/22 16:35	08/29/22 18:49	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 18:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 18:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 18:49	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:49	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:49	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:49	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 18:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/29/22 18:49	1
Manganese	**4.0**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:49	1
Nickel	**0.021**	**J**	0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:49	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 18:49	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:49	1
Zinc	**0.069**	**J B *+ ^+**	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 18:49	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		08/26/22 16:40	08/29/22 17:15	1
Barium	<0.50		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:15	1
Chromium	**0.013**	**J**	0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:15	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:15	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:15	1
Iron	**11**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:15	1
Manganese	**0.075**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:15	1
Nickel	**0.010**	**J**	0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:15	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:15	1

Client Sample ID: AL44-3(2-5)-081822
Date Collected: 08/18/22 10:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-4
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:15	1
Zinc	**0.025**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		12	4.7	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Antimony	**0.26**	**J**	1.2	0.22	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Arsenic	**7.0**		0.58	0.20	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Barium	**50**		0.58	0.066	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Beryllium	**0.78**		0.23	0.054	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Calcium	**62000**		58	9.8	mg/Kg	☼	08/25/22 15:30	08/29/22 14:37	5
Chromium	**16**		0.58	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Cobalt	**13**		0.29	0.076	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Copper	**23**		0.58	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Iron	**19000**		12	6.0	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Lead	**13**		0.29	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Magnesium	**28000**		5.8	2.9	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Manganese	**500**		0.58	0.084	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Nickel	**30**		0.58	0.17	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Potassium	**2100**		29	10	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Silver	**0.23**	**J**	0.29	0.074	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Sodium	**290**		58	8.5	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Vanadium	**21**		0.29	0.068	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1
Zinc	**55**		1.2	0.51	mg/Kg	☼	08/25/22 15:30	08/26/22 21:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 10:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**		0.018	0.0062	mg/Kg	☼	08/25/22 14:50	08/26/22 07:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			08/24/22 16:41	1

Client Sample ID: AL44-3(5-10)-081822

Date Collected: 08/18/22 10:55
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-5

Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0093	J	0.014	0.0063	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Benzene	<0.0014		0.0014	0.00037	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Carbon disulfide	<0.0036		0.0036	0.00075	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Carbon tetrachloride	<0.0014		0.0014	0.00042	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Chlorobenzene	<0.0014		0.0014	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Chloroform	<0.0014		0.0014	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Chloromethane	<0.0036		0.0036	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00041	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Dibromochloromethane	<0.0014		0.0014	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
1,1-Dichloroethane	<0.0014		0.0014	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
1,1-Dichloroethene	<0.0014		0.0014	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Ethylbenzene	<0.0014		0.0014	0.00069	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00043	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Styrene	<0.0014		0.0014	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Tetrachloroethene	<0.0014		0.0014	0.00049	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Toluene	<0.0014		0.0014	0.00037	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00064	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00062	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Trichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Vinyl chloride	<0.0014		0.0014	0.00064	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*08/19/22 17:50*	*08/26/22 11:24*	*1*
Dibromofluoromethane (Surr)	*117*		*75 - 126*	*08/19/22 17:50*	*08/26/22 11:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 134*	*08/19/22 17:50*	*08/26/22 11:24*	*1*
Toluene-d8 (Surr)	*109*		*75 - 124*	*08/19/22 17:50*	*08/26/22 11:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-3(5-10)-081822
Date Collected: 08/18/22 10:55
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-5
Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2-Chlorophenol	<0.19	*+	0.19	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2-Methylnaphthalene	<0.075		0.075	0.0069	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
4-Nitrophenol	<0.75		0.75	0.36	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Benzo[b]fluoranthene	**0.0093**	**J**	0.037	0.0081	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Chrysene	**0.010**	**J**	0.037	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1

Client Sample ID: AL44-3(5-10)-081822

Date Collected: 08/18/22 10:55
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-5

Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	08/30/22 06:40	08/31/22 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*31 - 143*	*08/30/22 06:40*	*08/31/22 20:25*	*1*
2-Fluorobiphenyl (Surr)	*76*		*43 - 145*	*08/30/22 06:40*	*08/31/22 20:25*	*1*
2-Fluorophenol (Surr)	*108*		*31 - 166*	*08/30/22 06:40*	*08/31/22 20:25*	*1*
Nitrobenzene-d5 (Surr)	*59*		*37 - 147*	*08/30/22 06:40*	*08/31/22 20:25*	*1*
Phenol-d5 (Surr)	*87*		*30 - 153*	*08/30/22 06:40*	*08/31/22 20:25*	*1*
Terphenyl-d14 (Surr)	*94*		*42 - 157*	*08/30/22 06:40*	*08/31/22 20:25*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J**	0.050	0.010	mg/L		08/26/22 16:35	08/29/22 20:20	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 20:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 20:20	1
Cadmium	**0.0032**	**J**	0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 20:20	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:20	1
Cobalt	**0.033**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:20	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:20	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 20:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/30/22 11:41	1
Manganese	**3.4**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:20	1
Nickel	**0.029**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:20	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 20:20	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:20	1
Zinc	**0.055**	**J ^+**	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 20:20	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		08/26/22 16:40	08/29/22 17:27	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:27	1
Beryllium	**0.0070**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:27	1
Chromium	**0.15**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:27	1
Cobalt	**0.047**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:27	1
Copper	**0.20**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:27	1
Iron	**150**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:27	1
Lead	**0.068**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:27	1
Manganese	**0.61**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:27	1
Nickel	**0.18**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:27	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:27	1

Client Sample ID: AL44-3(5-10)-081822

Date Collected: 08/18/22 10:55
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-5

Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:27	1
Zinc	**0.47**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9000**		11	4.5	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Antimony	<1.1	F1	1.1	0.22	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Arsenic	**5.5**	**F1**	0.56	0.19	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Barium	**36**		0.56	0.063	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Beryllium	**0.65**		0.22	0.052	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Calcium	**77000**		56	9.4	mg/Kg	☼	08/25/22 15:30	08/29/22 14:40	5
Chromium	**14**		0.56	0.28	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Cobalt	**10**		0.28	0.073	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Copper	**22**	**F1**	0.56	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Iron	**16000**		11	5.8	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Lead	**11**	**F1**	0.28	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Magnesium	**30000**		5.6	2.8	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Manganese	**380**		0.56	0.081	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Nickel	**26**		0.56	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Potassium	**2200**	**F1**	28	9.9	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Selenium	<0.56	F1	0.56	0.33	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Silver	**0.22**	**J**	0.28	0.072	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Sodium	**230**		56	8.2	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Vanadium	**18**		0.28	0.066	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1
Zinc	**50**		1.1	0.49	mg/Kg	☼	08/25/22 15:30	08/26/22 21:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.018	0.0060	mg/Kg	☼	08/25/22 14:50	08/26/22 07:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**		0.2	0.2	SU			08/24/22 16:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-3(5-10)-081822D

Date Collected: 08/18/22 11:00
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-6

Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.017	J	0.022	0.0096	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Benzene	<0.0022		0.0022	0.00056	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Bromodichloromethane	<0.0022		0.0022	0.00045	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Bromoform	<0.0022		0.0022	0.00064	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Bromomethane	<0.0055		0.0055	0.0021	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Carbon disulfide	<0.0055		0.0055	0.0011	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Carbon tetrachloride	<0.0022		0.0022	0.00064	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Chlorobenzene	<0.0022		0.0022	0.00081	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Chloroethane	<0.0055		0.0055	0.0016	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Chloroform	<0.0022		0.0022	0.00076	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Chloromethane	<0.0055		0.0055	0.0022	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00061	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00066	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Dibromochloromethane	<0.0022		0.0022	0.00072	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
1,1-Dichloroethane	<0.0022		0.0022	0.00075	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
1,2-Dichloroethane	<0.0055		0.0055	0.0017	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
1,1-Dichloroethene	<0.0022		0.0022	0.00076	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
1,2-Dichloropropane	<0.0022		0.0022	0.00057	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
1,3-Dichloropropene, Total	<0.0022		0.0022	0.00077	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Ethylbenzene	<0.0022		0.0022	0.0011	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
2-Hexanone	<0.0055		0.0055	0.0017	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Methylene Chloride	<0.0055		0.0055	0.0022	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Methyl Ethyl Ketone	<0.0055		0.0055	0.0024	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
methyl isobutyl ketone	<0.0055		0.0055	0.0016	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00064	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Styrene	<0.0022		0.0022	0.00066	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00070	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Tetrachloroethene	<0.0022		0.0022	0.00075	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Toluene	<0.0022		0.0022	0.00055	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00097	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00077	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
1,1,1-Trichloroethane	<0.0022		0.0022	0.00074	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00094	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Trichloroethene	<0.0022		0.0022	0.00074	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Vinyl chloride	<0.0022		0.0022	0.00097	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1
Xylenes, Total	<0.0044		0.0044	0.00070	mg/Kg	☼	08/19/22 17:50	08/25/22 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*75 - 131*	*08/19/22 17:50*	*08/25/22 17:55*	*1*
Dibromofluoromethane (Surr)	*121*		*75 - 126*	*08/19/22 17:50*	*08/25/22 17:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*70 - 134*	*08/19/22 17:50*	*08/25/22 17:55*	*1*
Toluene-d8 (Surr)	*107*		*75 - 124*	*08/19/22 17:50*	*08/25/22 17:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-3(5-10)-081822D
Date Collected: 08/18/22 11:00
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-6
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2-Chlorophenol	<0.19	*+	0.19	0.065	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Chrysene	**0.010**	**J**	0.038	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1

Client Sample ID: AL44-3(5-10)-081822D

Date Collected: 08/18/22 11:00
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-6

Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1
Pyrene	**0.0094**	**J**	0.038	0.0076	mg/Kg	☼	08/30/22 06:40	08/31/22 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*31 - 143*	*08/30/22 06:40*	*08/31/22 20:49*	*1*
2-Fluorobiphenyl (Surr)	*82*		*43 - 145*	*08/30/22 06:40*	*08/31/22 20:49*	*1*
2-Fluorophenol (Surr)	*110*		*31 - 166*	*08/30/22 06:40*	*08/31/22 20:49*	*1*
Nitrobenzene-d5 (Surr)	*65*		*37 - 147*	*08/30/22 06:40*	*08/31/22 20:49*	*1*
Phenol-d5 (Surr)	*80*		*30 - 153*	*08/30/22 06:40*	*08/31/22 20:49*	*1*
Terphenyl-d14 (Surr)	*102*		*42 - 157*	*08/30/22 06:40*	*08/31/22 20:49*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/26/22 16:35	08/29/22 20:26	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 20:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 20:26	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 20:26	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:26	1
Cobalt	**0.025**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:26	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:26	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 20:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/30/22 11:44	1
Manganese	**3.3**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:26	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:26	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 20:26	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:26	1
Zinc	<0.50	^+	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 20:26	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		08/26/22 16:40	08/29/22 17:37	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:37	1
Beryllium	**0.0077**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:37	1
Chromium	**0.16**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:37	1
Cobalt	**0.055**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:37	1
Copper	**0.21**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:37	1
Iron	**160**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:37	1
Lead	**0.075**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:37	1
Manganese	**0.69**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:37	1
Nickel	**0.20**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:37	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:37	1

Client Sample ID: AL44-3(5-10)-081822D
Date Collected: 08/18/22 11:00
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-6
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:37	1
Zinc	**0.43**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		11	4.6	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Antimony	**0.35**	**J**	1.1	0.22	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Arsenic	**5.9**		0.56	0.19	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Barium	**41**		0.56	0.064	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Beryllium	**0.74**		0.22	0.052	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Calcium	**84000**		56	9.5	mg/Kg	☼	08/25/22 15:30	08/29/22 14:56	5
Chromium	**16**		0.56	0.28	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Cobalt	**12**		0.28	0.073	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Copper	**22**		0.56	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Iron	**18000**		11	5.8	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Lead	**11**		0.28	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Magnesium	**31000**		5.6	2.8	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Manganese	**400**		0.56	0.081	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Nickel	**30**		0.56	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Potassium	**2600**		28	9.9	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Silver	**0.24**	**J**	0.28	0.072	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Sodium	**250**		56	8.3	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Vanadium	**19**		0.28	0.066	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1
Zinc	**51**		1.1	0.49	mg/Kg	☼	08/25/22 15:30	08/26/22 22:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.018	0.0058	mg/Kg	☼	08/25/22 14:50	08/26/22 07:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**		0.2	0.2	SU			08/24/22 16:46	1

Client Sample ID: AL44-3(10-15)-081822

Date Collected: 08/18/22 11:05
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-7

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.010	J	0.015	0.0064	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Benzene	<0.0015		0.0015	0.00037	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Carbon disulfide	<0.0036		0.0036	0.00076	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Carbon tetrachloride	<0.0015		0.0015	0.00042	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Chloromethane	<0.0036		0.0036	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
1,1-Dichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Ethylbenzene	<0.0015		0.0015	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Trichloroethene	<0.0015		0.0015	0.00049	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1
Xylenes, Total	<0.0029		0.0029	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*75 - 131*	*08/19/22 17:50*	*08/26/22 11:49*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 126*	*08/19/22 17:50*	*08/26/22 11:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 134*	*08/19/22 17:50*	*08/26/22 11:49*	*1*
Toluene-d8 (Surr)	*109*		*75 - 124*	*08/19/22 17:50*	*08/26/22 11:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1

Client Sample ID: AL44-3(10-15)-081822

Date Collected: 08/18/22 11:05
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-7

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2-Chlorophenol	<0.19	*+	0.19	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2-Methylnaphthalene	<0.075		0.075	0.0069	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
4-Nitrophenol	<0.75		0.75	0.36	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Chrysene	**0.011**	**J**	0.037	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-3(10-15)-081822

Date Collected: 08/18/22 11:05
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-7

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Phenanthrene	**0.018**	**J**	0.037	0.0052	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1
Pyrene	**0.015**	**J**	0.037	0.0074	mg/Kg	☼	08/30/22 06:40	08/31/22 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*31 - 143*	*08/30/22 06:40*	*08/31/22 21:13*	*1*
2-Fluorobiphenyl (Surr)	*83*		*43 - 145*	*08/30/22 06:40*	*08/31/22 21:13*	*1*
2-Fluorophenol (Surr)	*110*		*31 - 166*	*08/30/22 06:40*	*08/31/22 21:13*	*1*
Nitrobenzene-d5 (Surr)	*67*		*37 - 147*	*08/30/22 06:40*	*08/31/22 21:13*	*1*
Phenol-d5 (Surr)	*85*		*30 - 153*	*08/30/22 06:40*	*08/31/22 21:13*	*1*
Terphenyl-d14 (Surr)	*104*		*42 - 157*	*08/30/22 06:40*	*08/31/22 21:13*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/26/22 16:35	08/29/22 20:39	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 20:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 20:39	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 20:39	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:39	1
Cobalt	**0.041**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:39	1
Copper	**0.059**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:39	1
Iron	**1.1**		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 20:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/30/22 11:48	1
Manganese	**4.5**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:39	1
Nickel	**0.056**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:39	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 20:39	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 20:39	1
Zinc	**0.11**	**J ^+**	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 20:39	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		08/26/22 16:40	08/29/22 17:40	1
Barium	<0.50		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:40	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:40	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:40	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:40	1
Iron	**5.1**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:40	1
Manganese	**0.054**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:40	1
Nickel	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:40	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:40	1

Client Sample ID: AL44-3(10-15)-081822

Date Collected: 08/18/22 11:05
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-7

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:40	1
Zinc	<0.50		0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**		11	4.4	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Antimony	**0.29**	**J**	1.1	0.21	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Arsenic	**5.3**		0.54	0.19	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Barium	**26**		1.1	0.12	mg/Kg	☼	08/25/22 15:30	08/29/22 14:59	2
Beryllium	**0.57**		0.22	0.051	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Cadmium	**0.044**	**J**	0.11	0.020	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Calcium	**83000**		54	9.2	mg/Kg	☼	08/25/22 15:30	08/29/22 15:02	5
Chromium	**11**		0.54	0.27	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Cobalt	**8.8**		0.27	0.071	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Copper	**29**		0.54	0.15	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Iron	**16000**		22	11	mg/Kg	☼	08/25/22 15:30	08/29/22 14:59	2
Lead	**10**		0.27	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Magnesium	**38000**		11	5.4	mg/Kg	☼	08/25/22 15:30	08/29/22 14:59	2
Manganese	**430**		0.54	0.079	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Nickel	**22**		0.54	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Potassium	**1800**		27	9.6	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Silver	**0.15**	**J**	0.27	0.070	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Sodium	**140**		54	8.0	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Vanadium	**14**		0.27	0.064	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1
Zinc	**50**		1.1	0.48	mg/Kg	☼	08/25/22 15:30	08/26/22 22:03	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.014**	**J**	0.018	0.0061	mg/Kg	☼	08/25/22 14:50	08/26/22 07:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			08/24/22 16:48	1

Client Sample ID: AL44-4(7-11)-081822
Date Collected: 08/18/22 11:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-8
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	<0.016		0.016	0.0068	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	08/19/22 17:50	08/25/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*75 - 131*	*08/19/22 17:50*	*08/25/22 18:45*	*1*
Dibromofluoromethane (Surr)	*117*		*75 - 126*	*08/19/22 17:50*	*08/25/22 18:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*70 - 134*	*08/19/22 17:50*	*08/25/22 18:45*	*1*
Toluene-d8 (Surr)	*107*		*75 - 124*	*08/19/22 17:50*	*08/25/22 18:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.29		0.29	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
1,2-Dichlorobenzene	<0.29		0.29	0.068	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
1,3-Dichlorobenzene	<0.29		0.29	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
1,4-Dichlorobenzene	<0.29		0.29	0.073	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2,2'-oxybis[1-chloropropane]	<0.29		0.29	0.066	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1

Client Sample ID: AL44-4(7-11)-081822
Date Collected: 08/18/22 11:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-8
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	<0.57		0.57	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2,4,6-Trichlorophenol	<0.57		0.57	0.20	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2,4-Dichlorophenol	<0.57		0.57	0.14	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2,4-Dimethylphenol	<0.57		0.57	0.22	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2,4-Dinitrophenol	<1.1		1.1	1.0	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2,4-Dinitrotoluene	<0.29		0.29	0.090	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2,6-Dinitrotoluene	<0.29		0.29	0.11	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2-Chloronaphthalene	<0.29		0.29	0.063	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2-Chlorophenol	<0.29	*+	0.29	0.097	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2-Methylnaphthalene	<0.11		0.11	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2-Methylphenol	<0.29		0.29	0.091	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2-Nitroaniline	<0.29		0.29	0.077	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
2-Nitrophenol	<0.57		0.57	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
3 & 4 Methylphenol	<0.29		0.29	0.095	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
3,3'-Dichlorobenzidine	<0.29		0.29	0.080	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
3-Nitroaniline	<0.57		0.57	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
4,6-Dinitro-2-methylphenol	<1.1		1.1	0.46	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
4-Bromophenyl phenyl ether	<0.29		0.29	0.075	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
4-Chloro-3-methylphenol	<0.57		0.57	0.19	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
4-Chloroaniline	<1.1		1.1	0.27	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
4-Chlorophenyl phenyl ether	<0.29		0.29	0.066	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
4-Nitroaniline	<0.57		0.57	0.24	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
4-Nitrophenol	<1.1		1.1	0.54	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Acenaphthene	<0.057		0.057	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Acenaphthylene	<0.057		0.057	0.0075	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Anthracene	<0.057		0.057	0.0095	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Benzo[a]anthracene	<0.057		0.057	0.0077	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Benzo[a]pyrene	<0.057		0.057	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Benzo[b]fluoranthene	<0.057		0.057	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Benzo[g,h,i]perylene	<0.057		0.057	0.018	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Benzo[k]fluoranthene	<0.057		0.057	0.017	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Bis(2-chloroethoxy)methane	<0.29		0.29	0.058	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Bis(2-chloroethyl)ether	<0.29		0.29	0.085	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Bis(2-ethylhexyl) phthalate	<0.29		0.29	0.10	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Butyl benzyl phthalate	<0.29		0.29	0.11	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Carbazole	<0.29		0.29	0.14	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Chrysene	<0.057		0.057	0.016	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Dibenz(a,h)anthracene	<0.057		0.057	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Dibenzofuran	<0.29		0.29	0.067	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Diethyl phthalate	<0.29		0.29	0.096	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Dimethyl phthalate	<0.29		0.29	0.074	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Di-n-butyl phthalate	<0.29		0.29	0.087	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Di-n-octyl phthalate	<0.29		0.29	0.093	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Fluoranthene	<0.057		0.057	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Fluorene	<0.057		0.057	0.0080	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Hexachlorobenzene	<0.11		0.11	0.013	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Hexachlorobutadiene	<0.29		0.29	0.089	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Hexachlorocyclopentadiene	<1.1		1.1	0.33	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Hexachloroethane	<0.29		0.29	0.087	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1

Client Sample ID: AL44-4(7-11)-081822
Date Collected: 08/18/22 11:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-8
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	<0.057		0.057	0.015	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Isophorone	<0.29		0.29	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Naphthalene	<0.057		0.057	0.0088	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Nitrobenzene	<0.057		0.057	0.014	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
N-Nitrosodi-n-propylamine	<0.11		0.11	0.070	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
N-Nitrosodiphenylamine	<0.29		0.29	0.067	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Pentachlorophenol	<1.1		1.1	0.91	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Phenanthrene	<0.057		0.057	0.0079	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Phenol	<0.29		0.29	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1
Pyrene	<0.057		0.057	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*31 - 143*	*08/30/22 06:40*	*08/31/22 21:38*	*1*
2-Fluorobiphenyl (Surr)	*89*		*43 - 145*	*08/30/22 06:40*	*08/31/22 21:38*	*1*
2-Fluorophenol (Surr)	*119*		*31 - 166*	*08/30/22 06:40*	*08/31/22 21:38*	*1*
Nitrobenzene-d5 (Surr)	*69*		*37 - 147*	*08/30/22 06:40*	*08/31/22 21:38*	*1*
Phenol-d5 (Surr)	*97*		*30 - 153*	*08/30/22 06:40*	*08/31/22 21:38*	*1*
Terphenyl-d14 (Surr)	*118*		*42 - 157*	*08/30/22 06:40*	*08/31/22 21:38*	*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		08/26/22 16:35	08/29/22 18:56	1
Barium	**0.16**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 18:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 18:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 18:56	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:56	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:56	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:56	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 18:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/29/22 18:56	1
Manganese	**1.8**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:56	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:56	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 18:56	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 18:56	1
Zinc	<0.50	*+ ^+	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.036**	**J**	0.050	0.010	mg/L		08/26/22 16:40	08/29/22 17:43	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:43	1
Beryllium	**0.0042**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:43	1
Chromium	**0.085**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:43	1
Cobalt	**0.034**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:43	1
Copper	**0.12**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:43	1
Iron	**97**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:43	1
Lead	**0.044**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:43	1
Manganese	**0.68**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:43	1
Nickel	**0.10**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:43	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:43	1

Client Sample ID: AL44-4(7-11)-081822

Date Collected: 08/18/22 11:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-8

Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:43	1
Zinc	**0.26**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:43	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5600**		12	4.8	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Antimony	**0.30**	**J**	1.2	0.23	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Arsenic	**5.7**		0.59	0.20	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Barium	**24**		1.2	0.13	mg/Kg	☼	08/25/22 15:30	08/29/22 15:05	2
Beryllium	**0.48**		0.23	0.055	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Cadmium	**0.031**	**J**	0.12	0.021	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Calcium	**82000**		59	9.9	mg/Kg	☼	08/25/22 15:30	08/29/22 15:18	5
Chromium	**9.1**		0.59	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Cobalt	**11**		0.29	0.077	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Copper	**18**		0.59	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Iron	**15000**		23	12	mg/Kg	☼	08/25/22 15:30	08/29/22 15:05	2
Lead	**9.4**		0.29	0.14	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Magnesium	**44000**		12	5.8	mg/Kg	☼	08/25/22 15:30	08/29/22 15:05	2
Manganese	**650**		0.59	0.085	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Nickel	**23**		0.59	0.17	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Potassium	**1300**		29	10	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Silver	**0.16**	**J**	0.29	0.075	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Sodium	**510**		59	8.7	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Vanadium	**15**		0.29	0.069	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1
Zinc	**36**		1.2	0.51	mg/Kg	☼	08/25/22 15:30	08/26/22 22:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**		0.019	0.0063	mg/Kg	☼	08/25/22 14:50	08/26/22 07:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**		0.2	0.2	SU			08/24/22 16:51	1

Client Sample ID: AL44-4(11-15)-081822

Date Collected: 08/18/22 11:20
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-9

Matrix: Solid
Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.013**	**J**	0.014	0.0061	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Bromodichloromethane	<0.0014		0.0014	0.00028	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Bromomethane	<0.0035		0.0035	0.0013	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Carbon disulfide	<0.0035		0.0035	0.00073	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Chloroethane	<0.0035		0.0035	0.0010	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Chloroform	<0.0014		0.0014	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Chloromethane	<0.0035		0.0035	0.0014	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00039	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00042	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
1,1-Dichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
1,2-Dichloroethane	<0.0035		0.0035	0.0011	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
1,1-Dichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
1,2-Dichloropropane	<0.0014		0.0014	0.00036	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00049	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Ethylbenzene	<0.0014		0.0014	0.00067	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
2-Hexanone	<0.0035		0.0035	0.0011	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Methylene Chloride	<0.0035		0.0035	0.0014	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Methyl Ethyl Ketone	<0.0035		0.0035	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
methyl isobutyl ketone	<0.0035		0.0035	0.0010	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00041	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Styrene	<0.0014		0.0014	0.00042	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Toluene	<0.0014		0.0014	0.00035	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00062	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00049	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00060	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Trichloroethene	<0.0014		0.0014	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Vinyl chloride	<0.0014		0.0014	0.00062	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	☼	08/19/22 17:50	08/26/22 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*75 - 131*	*08/19/22 17:50*	*08/26/22 12:14*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 126*	*08/19/22 17:50*	*08/26/22 12:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 134*	*08/19/22 17:50*	*08/26/22 12:14*	*1*
Toluene-d8 (Surr)	*109*		*75 - 124*	*08/19/22 17:50*	*08/26/22 12:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.27		0.27	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
1,2-Dichlorobenzene	<0.27		0.27	0.063	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
1,3-Dichlorobenzene	<0.27		0.27	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
1,4-Dichlorobenzene	<0.27		0.27	0.068	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2,2'-oxybis[1-chloropropane]	<0.27		0.27	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1

Client Sample ID: AL44-4(11-15)-081822
Date Collected: 08/18/22 11:20
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-9
Matrix: Solid
Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.53		0.53	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2,4,6-Trichlorophenol	<0.53		0.53	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2,4-Dichlorophenol	<0.53		0.53	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2,4-Dimethylphenol	<0.53		0.53	0.20	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2,4-Dinitrophenol	<1.1		1.1	0.93	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2,4-Dinitrotoluene	<0.27		0.27	0.084	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2,6-Dinitrotoluene	<0.27		0.27	0.10	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2-Chloronaphthalene	<0.27		0.27	0.058	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2-Chlorophenol	<0.27	*+	0.27	0.090	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2-Methylnaphthalene	<0.11		0.11	0.0097	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2-Methylphenol	<0.27		0.27	0.085	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2-Nitroaniline	<0.27		0.27	0.071	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
2-Nitrophenol	<0.53		0.53	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
3 & 4 Methylphenol	<0.27		0.27	0.088	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
3,3'-Dichlorobenzidine	<0.27		0.27	0.074	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
3-Nitroaniline	<0.53		0.53	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
4,6-Dinitro-2-methylphenol	<1.1		1.1	0.43	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
4-Bromophenyl phenyl ether	<0.27		0.27	0.070	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
4-Chloro-3-methylphenol	<0.53		0.53	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
4-Chloroaniline	<1.1		1.1	0.25	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
4-Chlorophenyl phenyl ether	<0.27		0.27	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
4-Nitroaniline	<0.53		0.53	0.22	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
4-Nitrophenol	<1.1		1.1	0.50	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Acenaphthene	<0.053		0.053	0.0095	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Acenaphthylene	<0.053		0.053	0.0070	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Anthracene	<0.053		0.053	0.0088	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Benzo[a]anthracene	<0.053		0.053	0.0071	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Benzo[a]pyrene	<0.053		0.053	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Benzo[b]fluoranthene	<0.053		0.053	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Benzo[g,h,i]perylene	<0.053		0.053	0.017	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Benzo[k]fluoranthene	<0.053		0.053	0.016	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Bis(2-chloroethoxy)methane	<0.27		0.27	0.054	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Bis(2-chloroethyl)ether	<0.27		0.27	0.079	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Bis(2-ethylhexyl) phthalate	<0.27		0.27	0.097	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Butyl benzyl phthalate	<0.27		0.27	0.10	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Carbazole	<0.27		0.27	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Chrysene	<0.053		0.053	0.014	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Dibenz(a,h)anthracene	<0.053		0.053	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Dibenzofuran	<0.27		0.27	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Diethyl phthalate	<0.27		0.27	0.090	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Dimethyl phthalate	<0.27		0.27	0.069	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Di-n-butyl phthalate	<0.27		0.27	0.081	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Di-n-octyl phthalate	<0.27		0.27	0.086	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Fluoranthene	<0.053		0.053	0.0098	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Fluorene	<0.053		0.053	0.0074	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Hexachlorobenzene	<0.11		0.11	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Hexachlorobutadiene	<0.27		0.27	0.083	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Hexachlorocyclopentadiene	<1.1		1.1	0.30	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Hexachloroethane	<0.27		0.27	0.080	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1

Client Sample ID: AL44-4(11-15)-081822
Date Collected: 08/18/22 11:20
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-9
Matrix: Solid
Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.053		0.053	0.014	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Isophorone	<0.27		0.27	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Naphthalene	<0.053		0.053	0.0081	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Nitrobenzene	<0.053		0.053	0.013	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
N-Nitrosodi-n-propylamine	<0.11		0.11	0.065	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
N-Nitrosodiphenylamine	<0.27		0.27	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Pentachlorophenol	<1.1		1.1	0.85	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Phenanthrene	<0.053		0.053	0.0074	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Phenol	<0.27		0.27	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1
Pyrene	**0.014**	**J**	0.053	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*31 - 143*	*08/30/22 06:40*	*08/31/22 22:02*	*1*
2-Fluorobiphenyl (Surr)	*93*		*43 - 145*	*08/30/22 06:40*	*08/31/22 22:02*	*1*
2-Fluorophenol (Surr)	*119*		*31 - 166*	*08/30/22 06:40*	*08/31/22 22:02*	*1*
Nitrobenzene-d5 (Surr)	*73*		*37 - 147*	*08/30/22 06:40*	*08/31/22 22:02*	*1*
Phenol-d5 (Surr)	*106*		*30 - 153*	*08/30/22 06:40*	*08/31/22 22:02*	*1*
Terphenyl-d14 (Surr)	*118*		*42 - 157*	*08/30/22 06:40*	*08/31/22 22:02*	*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		08/26/22 16:35	08/29/22 19:15	1
Barium	**0.19**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 19:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 19:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 19:15	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:15	1
Cobalt	**0.048**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:15	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:15	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 19:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/29/22 19:15	1
Manganese	**5.0**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:15	1
Nickel	**0.054**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:15	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 19:15	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:15	1
Zinc	**0.066**	**J B *+ ^+**	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 19:15	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		08/26/22 16:40	08/29/22 17:47	1
Barium	<0.50		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:47	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:47	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:47	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:47	1
Iron	**3.9**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:47	1
Manganese	**0.16**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:47	1
Nickel	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:47	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:47	1

Client Sample ID: AL44-4(11-15)-081822

Date Collected: 08/18/22 11:20
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-9

Matrix: Solid
Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:47	1
Zinc	<0.50		0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4200**		12	4.7	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Antimony	<1.2		1.2	0.22	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Arsenic	**3.2**		0.58	0.20	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Barium	**11**		1.2	0.13	mg/Kg	☼	08/25/22 15:30	08/29/22 15:21	2
Beryllium	**0.42**		0.23	0.054	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Calcium	**100000**		58	9.8	mg/Kg	☼	08/25/22 15:30	08/29/22 15:25	5
Chromium	**7.4**		0.58	0.28	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Cobalt	**16**		0.29	0.075	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Copper	**15**		0.58	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Iron	**13000**		23	12	mg/Kg	☼	08/25/22 15:30	08/29/22 15:21	2
Lead	**8.3**		0.29	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Magnesium	**46000**		12	5.7	mg/Kg	☼	08/25/22 15:30	08/29/22 15:21	2
Manganese	**480**		0.58	0.083	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Nickel	**29**		0.58	0.17	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Potassium	**1200**		29	10	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Silver	**0.13**	**J**	0.29	0.074	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Sodium	**190**		58	8.5	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Vanadium	**12**		0.29	0.068	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1
Zinc	**29**		1.2	0.51	mg/Kg	☼	08/25/22 15:30	08/26/22 22:09	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 10:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.018	0.0059	mg/Kg	☼	08/25/22 14:50	08/26/22 07:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			08/24/22 16:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-5(7-11)-081822
Date Collected: 08/18/22 11:30
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-10
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	<0.016		0.016	0.0070	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Carbon disulfide	<0.0040		0.0040	0.00084	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	08/19/22 17:50	08/26/22 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*75 - 131*	*08/19/22 17:50*	*08/26/22 12:39*	*1*
Dibromofluoromethane (Surr)	*121*		*75 - 126*	*08/19/22 17:50*	*08/26/22 12:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*70 - 134*	*08/19/22 17:50*	*08/26/22 12:39*	*1*
Toluene-d8 (Surr)	*102*		*75 - 124*	*08/19/22 17:50*	*08/26/22 12:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1

Client Sample ID: AL44-5(7-11)-081822
Date Collected: 08/18/22 11:30
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-10
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	<0.39		0.39	0.090	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2-Chlorophenol	<0.20	*+	0.20	0.067	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1

Client Sample ID: AL44-5(7-11)-081822
Date Collected: 08/18/22 11:30
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-10
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	<0.039		0.039	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	08/30/22 06:40	08/31/22 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*31 - 143*	*08/30/22 06:40*	*08/31/22 22:26*	*1*
2-Fluorobiphenyl (Surr)	*84*		*43 - 145*	*08/30/22 06:40*	*08/31/22 22:26*	*1*
2-Fluorophenol (Surr)	*114*		*31 - 166*	*08/30/22 06:40*	*08/31/22 22:26*	*1*
Nitrobenzene-d5 (Surr)	*67*		*37 - 147*	*08/30/22 06:40*	*08/31/22 22:26*	*1*
Phenol-d5 (Surr)	*79*		*30 - 153*	*08/30/22 06:40*	*08/31/22 22:26*	*1*
Terphenyl-d14 (Surr)	*124*		*42 - 157*	*08/30/22 06:40*	*08/31/22 22:26*	*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		08/26/22 16:35	08/29/22 21:02	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 21:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 21:02	1
Cadmium	**0.0046**	**J**	0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 21:02	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:02	1
Cobalt	**0.030**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:02	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:02	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 21:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/30/22 11:51	1
Manganese	**4.1**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:02	1
Nickel	**0.051**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:02	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 21:02	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:02	1
Zinc	<0.50	^+	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 21:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.10**		0.050	0.010	mg/L		08/26/22 16:40	08/29/22 17:50	1
Barium	**0.58**		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:50	1
Beryllium	**0.010**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:50	1
Chromium	**0.20**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:50	1
Cobalt	**0.057**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:50	1
Copper	**0.29**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:50	1
Iron	**260**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:50	1
Lead	**0.11**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:50	1
Manganese	**0.82**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:50	1
Nickel	**0.22**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:50	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:50	1

Client Sample ID: AL44-5(7-11)-081822
Date Collected: 08/18/22 11:30
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-10
Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:50	1
Zinc	**0.75**		0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9700**		12	4.8	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Antimony	**0.41**	**J**	1.2	0.23	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Arsenic	**10**		0.59	0.20	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Barium	**50**		0.59	0.067	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Beryllium	**0.74**		0.24	0.055	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Cadmium	**0.078**	**J**	0.12	0.021	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Calcium	**77000**		59	10	mg/Kg	☼	08/25/22 15:30	08/29/22 15:28	5
Chromium	**15**		0.59	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Cobalt	**11**		0.30	0.077	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Copper	**26**		0.59	0.17	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Iron	**21000**		12	6.1	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Lead	**12**		0.30	0.14	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Magnesium	**30000**		5.9	2.9	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Manganese	**540**		0.59	0.086	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Nickel	**31**		0.59	0.17	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Potassium	**2100**		30	10	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Silver	**0.22**	**J**	0.30	0.076	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Sodium	**1200**		59	8.7	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Vanadium	**21**		0.30	0.070	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1
Zinc	**66**		1.2	0.52	mg/Kg	☼	08/25/22 15:30	08/26/22 22:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J F1**	0.019	0.0062	mg/Kg	☼	08/25/22 14:50	08/26/22 07:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			08/24/22 16:56	1

Client Sample ID: AL44-5(11-15)-081822

Date Collected: 08/18/22 11:35
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-11

Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.011**	**J**	0.016	0.0070	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Carbon disulfide	<0.0040		0.0040	0.00084	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	08/19/22 17:50	08/25/22 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*75 - 131*	*08/19/22 17:50*	*08/25/22 19:59*	*1*
Dibromofluoromethane (Surr)	*120*		*75 - 126*	*08/19/22 17:50*	*08/25/22 19:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 134*	*08/19/22 17:50*	*08/25/22 19:59*	*1*
Toluene-d8 (Surr)	*112*		*75 - 124*	*08/19/22 17:50*	*08/25/22 19:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-5(11-15)-081822
Date Collected: 08/18/22 11:35
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-11
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2-Chlorophenol	<0.19	*+	0.19	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Chrysene	**0.010**	**J**	0.037	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-5(11-15)-081822
Date Collected: 08/18/22 11:35
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-11
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0098	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Phenanthrene	<0.037		0.037	0.0053	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1
Pyrene	**0.014**	**J**	0.037	0.0075	mg/Kg	☼	08/30/22 06:40	08/31/22 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*31 - 143*	*08/30/22 06:40*	*08/31/22 22:50*	*1*
2-Fluorobiphenyl (Surr)	*78*		*43 - 145*	*08/30/22 06:40*	*08/31/22 22:50*	*1*
2-Fluorophenol (Surr)	*107*		*31 - 166*	*08/30/22 06:40*	*08/31/22 22:50*	*1*
Nitrobenzene-d5 (Surr)	*63*		*37 - 147*	*08/30/22 06:40*	*08/31/22 22:50*	*1*
Phenol-d5 (Surr)	*81*		*30 - 153*	*08/30/22 06:40*	*08/31/22 22:50*	*1*
Terphenyl-d14 (Surr)	*106*		*42 - 157*	*08/30/22 06:40*	*08/31/22 22:50*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/26/22 16:35	08/29/22 21:24	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 21:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 21:24	1
Cadmium	**0.0050**		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 21:24	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:24	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:24	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:24	1
Iron	**2.9**		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 21:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/30/22 11:54	1
Manganese	**6.3**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:24	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:24	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 21:24	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:24	1
Zinc	**0.041**	**J ^+**	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 21:24	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		08/26/22 16:40	08/29/22 17:53	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:53	1
Chromium	**0.080**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:53	1
Cobalt	**0.049**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:53	1
Copper	**0.13**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:53	1
Iron	**82**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:53	1
Lead	**0.039**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:53	1
Manganese	**0.68**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:53	1
Nickel	**0.11**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:53	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:53	1

Client Sample ID: AL44-5(11-15)-081822

Date Collected: 08/18/22 11:35
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-11

Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:53	1
Zinc	**0.34**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		11	4.5	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Antimony	**0.27**	**J**	1.1	0.21	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Arsenic	**5.7**		0.55	0.19	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Barium	**32**		1.1	0.12	mg/Kg	☼	08/25/22 15:30	08/29/22 15:31	2
Beryllium	**0.58**		0.22	0.051	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Cadmium	**0.040**	**J**	0.11	0.020	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Calcium	**85000**		55	9.3	mg/Kg	☼	08/25/22 15:30	08/29/22 15:34	5
Chromium	**12**		0.55	0.27	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Cobalt	**9.8**		0.27	0.072	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Copper	**21**		0.55	0.15	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Iron	**18000**		22	11	mg/Kg	☼	08/25/22 15:30	08/29/22 15:31	2
Lead	**11**		0.27	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Magnesium	**42000**		11	5.4	mg/Kg	☼	08/25/22 15:30	08/29/22 15:31	2
Manganese	**460**		0.55	0.079	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Nickel	**24**		0.55	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Potassium	**2100**		27	9.7	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Silver	**0.15**	**J**	0.27	0.071	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Sodium	**230**		55	8.1	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Vanadium	**15**		0.27	0.065	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1
Zinc	**55**		1.1	0.48	mg/Kg	☼	08/25/22 15:30	08/26/22 22:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0098**	**J**	0.018	0.0060	mg/Kg	☼	08/25/22 14:50	08/26/22 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.9**		0.2	0.2	SU			08/24/22 17:01	1

Client Sample ID: AL44-6(2-5)-081822
Date Collected: 08/18/22 12:05
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-12
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.013	J	0.018	0.0080	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
1,2-Dichloropropane	<0.0018		0.0018	0.00048	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00065	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Styrene	<0.0018		0.0018	0.00056	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00065	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	08/19/22 17:50	08/25/22 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*75 - 131*	*08/19/22 17:50*	*08/25/22 20:24*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 126*	*08/19/22 17:50*	*08/25/22 20:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*128*		*70 - 134*	*08/19/22 17:50*	*08/25/22 20:24*	*1*
Toluene-d8 (Surr)	*102*		*75 - 124*	*08/19/22 17:50*	*08/25/22 20:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1

Client Sample ID: AL44-6(2-5)-081822
Date Collected: 08/18/22 12:05
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-12
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.088	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2-Chlorophenol	<0.19	*+	0.19	0.066	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Benzo[g,h,i]perylene	<0.039		0.039	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Fluorene	<0.039		0.039	0.0054	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-6(2-5)-081822
Date Collected: 08/18/22 12:05
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-12
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Isophorone	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	08/30/22 06:40	08/31/22 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*31 - 143*	*08/30/22 06:40*	*08/31/22 23:14*	*1*
2-Fluorobiphenyl (Surr)	*87*		*43 - 145*	*08/30/22 06:40*	*08/31/22 23:14*	*1*
2-Fluorophenol (Surr)	*111*		*31 - 166*	*08/30/22 06:40*	*08/31/22 23:14*	*1*
Nitrobenzene-d5 (Surr)	*66*		*37 - 147*	*08/30/22 06:40*	*08/31/22 23:14*	*1*
Phenol-d5 (Surr)	*69*		*30 - 153*	*08/30/22 06:40*	*08/31/22 23:14*	*1*
Terphenyl-d14 (Surr)	*115*		*42 - 157*	*08/30/22 06:40*	*08/31/22 23:14*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/26/22 16:35	08/29/22 21:37	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 21:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 21:37	1
Cadmium	**0.0036**	**J**	0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 21:37	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:37	1
Cobalt	**0.034**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:37	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:37	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 21:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/30/22 11:58	1
Manganese	**4.2**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:37	1
Nickel	**0.039**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:37	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 21:37	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:37	1
Zinc	<0.50	^+	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 21:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.075**		0.050	0.010	mg/L		08/26/22 16:40	08/29/22 17:56	1
Barium	**0.65**		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:56	1
Beryllium	**0.0095**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:56	1
Chromium	**0.19**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:56	1
Cobalt	**0.053**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:56	1
Copper	**0.24**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:56	1
Iron	**200**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:56	1
Lead	**0.079**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:56	1
Manganese	**0.82**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:56	1
Nickel	**0.22**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:56	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:56	1

Client Sample ID: AL44-6(2-5)-081822

Date Collected: 08/18/22 12:05
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-12

Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:56	1
Zinc	**0.57**		0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		12	4.7	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Antimony	**0.23**	**J**	1.2	0.23	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Arsenic	**7.0**		0.58	0.20	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Barium	**56**		0.58	0.066	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Beryllium	**0.83**		0.23	0.054	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Cadmium	**0.034**	**J**	0.12	0.021	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Calcium	**82000**		58	9.8	mg/Kg	☼	08/25/22 15:30	08/29/22 15:37	5
Chromium	**17**		0.58	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Cobalt	**9.7**		0.29	0.076	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Copper	**25**		0.58	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Iron	**20000**		12	6.0	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Lead	**12**		0.29	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Magnesium	**29000**		5.8	2.9	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Manganese	**380**		0.58	0.084	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Nickel	**28**		0.58	0.17	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Potassium	**2300**		29	10	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Silver	**0.24**	**J**	0.29	0.075	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Sodium	**670**		58	8.6	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Vanadium	**22**		0.29	0.069	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1
Zinc	**62**		1.2	0.51	mg/Kg	☼	08/25/22 15:30	08/26/22 22:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**		0.019	0.0064	mg/Kg	☼	08/25/22 14:50	08/26/22 08:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			08/24/22 17:06	1

Client Sample ID: AL44-6(5-10)-081822

Date Collected: 08/18/22 12:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-13

Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.011**	**J**	0.017	0.0076	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
1,2-Dichloroethane	<0.0043		0.0043	0.0014	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
2-Hexanone	<0.0043		0.0043	0.0014	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☼	08/19/22 17:50	08/25/22 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*75 - 131*	*08/19/22 17:50*	*08/25/22 20:48*	*1*
Dibromofluoromethane (Surr)	*121*		*75 - 126*	*08/19/22 17:50*	*08/25/22 20:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*70 - 134*	*08/19/22 17:50*	*08/25/22 20:48*	*1*
Toluene-d8 (Surr)	*109*		*75 - 124*	*08/19/22 17:50*	*08/25/22 20:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1

Client Sample ID: AL44-6(5-10)-081822
Date Collected: 08/18/22 12:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-13
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2-Chlorophenol	<0.20	*+	0.20	0.067	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Benzo[b]fluoranthene	**0.0093**	**J**	0.039	0.0084	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Fluoranthene	**0.0089**	**J**	0.039	0.0073	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-6(5-10)-081822
Date Collected: 08/18/22 12:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-13
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1
Pyrene	**0.0084**	**J**	0.039	0.0078	mg/Kg	☼	08/30/22 06:40	08/31/22 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*31 - 143*	*08/30/22 06:40*	*08/31/22 23:39*	*1*
2-Fluorobiphenyl (Surr)	*73*		*43 - 145*	*08/30/22 06:40*	*08/31/22 23:39*	*1*
2-Fluorophenol (Surr)	*111*		*31 - 166*	*08/30/22 06:40*	*08/31/22 23:39*	*1*
Nitrobenzene-d5 (Surr)	*63*		*37 - 147*	*08/30/22 06:40*	*08/31/22 23:39*	*1*
Phenol-d5 (Surr)	*72*		*30 - 153*	*08/30/22 06:40*	*08/31/22 23:39*	*1*
Terphenyl-d14 (Surr)	*105*		*42 - 157*	*08/30/22 06:40*	*08/31/22 23:39*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/26/22 16:35	08/29/22 19:19	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 19:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 19:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 19:19	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:19	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:19	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:19	1
Iron	**0.20**	**J**	0.40	0.20	mg/L		08/26/22 16:35	08/29/22 19:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/29/22 19:19	1
Manganese	**1.1**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:19	1
Nickel	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:19	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 19:19	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:19	1
Zinc	**0.056**	**J B *+ ^+**	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.10**		0.050	0.010	mg/L		08/26/22 16:40	08/29/22 17:59	1
Barium	**0.65**		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 17:59	1
Beryllium	**0.0096**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 17:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 17:59	1
Chromium	**0.19**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:59	1
Cobalt	**0.049**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:59	1
Copper	**0.28**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:59	1
Iron	**240**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 17:59	1
Lead	**0.094**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 17:59	1
Manganese	**0.75**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:59	1
Nickel	**0.20**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:59	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 17:59	1

Client Sample ID: AL44-6(5-10)-081822

Date Collected: 08/18/22 12:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-13

Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 17:59	1
Zinc	**0.70**		0.50	0.020	mg/L		08/26/22 16:40	08/29/22 17:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		12	4.8	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Antimony	**0.31**	**J**	1.2	0.23	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Arsenic	**9.4**		0.58	0.20	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Barium	**60**		0.58	0.067	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Beryllium	**0.80**		0.23	0.055	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Cadmium	**0.039**	**J**	0.12	0.021	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Calcium	**67000**		58	9.9	mg/Kg	☼	08/25/22 15:30	08/29/22 15:41	5
Chromium	**16**		0.58	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Cobalt	**12**		0.29	0.076	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Copper	**25**		0.58	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Iron	**21000**		12	6.1	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Lead	**13**		0.29	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Magnesium	**29000**		5.8	2.9	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Manganese	**470**		0.58	0.085	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Nickel	**30**		0.58	0.17	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Potassium	**2100**		29	10	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Silver	**0.19**	**J**	0.29	0.075	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Sodium	**680**		58	8.6	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Vanadium	**21**		0.29	0.069	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1
Zinc	**71**		1.2	0.51	mg/Kg	☼	08/25/22 15:30	08/26/22 22:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 10:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**		0.019	0.0064	mg/Kg	☼	08/25/22 14:50	08/26/22 08:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			08/24/22 17:08	1

Client Sample ID: AL44-6(10-15)-081822

Date Collected: 08/18/22 12:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-14

Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.020		0.017	0.0074	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*75 - 131*	*08/19/22 17:50*	*08/26/22 13:03*	*1*
Dibromofluoromethane (Surr)	*121*		*75 - 126*	*08/19/22 17:50*	*08/26/22 13:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 134*	*08/19/22 17:50*	*08/26/22 13:03*	*1*
Toluene-d8 (Surr)	*106*		*75 - 124*	*08/19/22 17:50*	*08/26/22 13:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1

Client Sample ID: AL44-6(10-15)-081822
Date Collected: 08/18/22 12:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-14
Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2-Chlorophenol	<0.20	*+	0.20	0.067	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1

Client Sample ID: AL44-6(10-15)-081822

Date Collected: 08/18/22 12:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-14

Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1
Pyrene	**0.0096**	**J**	0.039	0.0078	mg/Kg	☼	08/30/22 06:40	09/01/22 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*31 - 143*	*08/30/22 06:40*	*09/01/22 00:03*	*1*
2-Fluorobiphenyl (Surr)	*66*		*43 - 145*	*08/30/22 06:40*	*09/01/22 00:03*	*1*
2-Fluorophenol (Surr)	*105*		*31 - 166*	*08/30/22 06:40*	*09/01/22 00:03*	*1*
Nitrobenzene-d5 (Surr)	*60*		*37 - 147*	*08/30/22 06:40*	*09/01/22 00:03*	*1*
Phenol-d5 (Surr)	*74*		*30 - 153*	*08/30/22 06:40*	*09/01/22 00:03*	*1*
Terphenyl-d14 (Surr)	*90*		*42 - 157*	*08/30/22 06:40*	*09/01/22 00:03*	*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		08/26/22 16:35	08/29/22 21:54	1
Barium	**0.69**		0.50	0.050	mg/L		08/26/22 16:35	08/29/22 21:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 21:54	1
Cadmium	**0.0054**		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 21:54	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:54	1
Cobalt	**0.085**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:54	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:54	1
Iron	**25**		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 21:54	1
Lead	**0.0081**		0.0075	0.0075	mg/L		08/26/22 16:35	08/30/22 12:08	1
Manganese	**7.4**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:54	1
Nickel	**0.18**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:54	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 21:54	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:54	1
Zinc	**0.35**	**J ^+**	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 21:54	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		08/26/22 16:40	08/29/22 18:02	1
Barium	<0.50		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 18:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 18:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 18:02	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:02	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:02	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:02	1
Iron	**1.1**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 18:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 18:02	1
Manganese	**0.063**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:02	1
Nickel	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:02	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 18:02	1

Client Sample ID: AL44-6(10-15)-081822

Date Collected: 08/18/22 12:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-14

Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:02	1
Zinc	<0.50		0.50	0.020	mg/L		08/26/22 16:40	08/29/22 18:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8600**		11	4.7	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Antimony	**0.32**	**J**	1.1	0.22	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Arsenic	**3.2**		0.57	0.19	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Barium	**46**		0.57	0.065	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Beryllium	**0.65**		0.23	0.053	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Cadmium	**0.10**	**J**	0.11	0.021	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Calcium	**69000**		57	9.7	mg/Kg	☼	08/25/22 15:30	08/29/22 15:44	5
Chromium	**13**		0.57	0.28	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Cobalt	**9.5**		0.28	0.075	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Copper	**21**		0.57	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Iron	**15000**		11	5.9	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Lead	**11**		0.28	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Magnesium	**30000**		5.7	2.8	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Manganese	**450**		0.57	0.083	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Nickel	**25**		0.57	0.17	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Potassium	**2100**		28	10	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Silver	**0.20**	**J**	0.28	0.074	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Sodium	**330**		57	8.4	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Vanadium	**19**		0.28	0.067	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1
Zinc	**62**		1.1	0.50	mg/Kg	☼	08/25/22 15:30	08/26/22 22:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**		0.018	0.0061	mg/Kg	☼	08/25/22 14:50	08/26/22 08:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.8**		0.2	0.2	SU			08/24/22 17:10	1

Client Sample ID: AL44-7(2-8)-081822

Date Collected: 08/18/22 12:40
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-15

Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
1,2-Dichloroethane	<0.0043		0.0043	0.0014	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
2-Hexanone	<0.0043		0.0043	0.0014	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	08/19/22 17:50	08/26/22 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*08/19/22 17:50*	*08/26/22 13:28*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 126*	*08/19/22 17:50*	*08/26/22 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 134*	*08/19/22 17:50*	*08/26/22 13:28*	*1*
Toluene-d8 (Surr)	*104*		*75 - 124*	*08/19/22 17:50*	*08/26/22 13:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-7(2-8)-081822
Date Collected: 08/18/22 12:40
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-15
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2-Chlorophenol	<0.19	*+	0.19	0.066	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Acenaphthylene	**0.0067**	**J**	0.038	0.0051	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Anthracene	**0.011**	**J**	0.038	0.0064	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Benzo[a]anthracene	**0.045**		0.038	0.0052	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Benzo[a]pyrene	**0.076**		0.038	0.0075	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Benzo[b]fluoranthene	**0.10**		0.038	0.0083	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Benzo[g,h,i]perylene	**0.038**		0.038	0.012	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Benzo[k]fluoranthene	**0.035**	**J**	0.038	0.011	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Chrysene	**0.072**		0.038	0.011	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Dibenz(a,h)anthracene	**0.011**	**J**	0.038	0.0075	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Fluoranthene	**0.12**		0.038	0.0072	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: AL44-7(2-8)-081822
Date Collected: 08/18/22 12:40
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-15
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.033**	**J**	0.038	0.010	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Phenanthrene	**0.053**		0.038	0.0054	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1
Pyrene	**0.089**		0.038	0.0077	mg/Kg	☼	08/30/22 06:40	09/01/22 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*31 - 143*	*08/30/22 06:40*	*09/01/22 00:27*	*1*
2-Fluorobiphenyl (Surr)	*83*		*43 - 145*	*08/30/22 06:40*	*09/01/22 00:27*	*1*
2-Fluorophenol (Surr)	*103*		*31 - 166*	*08/30/22 06:40*	*09/01/22 00:27*	*1*
Nitrobenzene-d5 (Surr)	*63*		*37 - 147*	*08/30/22 06:40*	*09/01/22 00:27*	*1*
Phenol-d5 (Surr)	*70*		*30 - 153*	*08/30/22 06:40*	*09/01/22 00:27*	*1*
Terphenyl-d14 (Surr)	*110*		*42 - 157*	*08/30/22 06:40*	*09/01/22 00:27*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/26/22 16:35	08/29/22 21:58	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 21:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 21:58	1
Cadmium	**0.0033**	**J**	0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 21:58	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:58	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:58	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:58	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 21:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/30/22 12:11	1
Manganese	**3.8**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:58	1
Nickel	**0.026**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:58	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 21:58	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 21:58	1
Zinc	**0.030**	**J ^+**	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 21:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.069**		0.050	0.010	mg/L		08/26/22 16:40	08/29/22 18:06	1
Barium	**0.68**		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 18:06	1
Beryllium	**0.0089**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 18:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 18:06	1
Chromium	**0.19**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:06	1
Cobalt	**0.051**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:06	1
Copper	**0.22**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:06	1
Iron	**210**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 18:06	1
Lead	**0.12**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 18:06	1
Manganese	**0.82**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:06	1
Nickel	**0.21**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:06	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 18:06	1

Client Sample ID: AL44-7(2-8)-081822

Date Collected: 08/18/22 12:40
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-15

Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:06	1
Zinc	**0.72**		0.50	0.020	mg/L		08/26/22 16:40	08/29/22 18:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		12	4.7	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Antimony	**0.28**	**J**	1.2	0.23	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Arsenic	**6.9**		0.58	0.20	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Barium	**52**		0.58	0.066	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Beryllium	**0.78**		0.23	0.054	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Cadmium	**0.064**	**J**	0.12	0.021	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Calcium	**55000**		58	9.9	mg/Kg	☼	08/25/22 15:30	08/29/22 15:47	5
Chromium	**17**		0.58	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Cobalt	**10**		0.29	0.076	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Copper	**24**		0.58	0.16	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Iron	**19000**		12	6.0	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Lead	**22**		0.29	0.13	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Magnesium	**24000**		5.8	2.9	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Manganese	**460**		0.58	0.084	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Nickel	**28**		0.58	0.17	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Potassium	**2200**		29	10	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Silver	**0.25**	**J**	0.29	0.075	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Sodium	**1200**		58	8.6	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Vanadium	**22**		0.29	0.069	mg/Kg	☼	08/25/22 15:30	08/26/22 22:36	1
Zinc	**76**		5.8	2.6	mg/Kg	☼	08/25/22 15:30	08/29/22 15:47	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**		0.019	0.0062	mg/Kg	☼	08/25/22 14:50	08/26/22 08:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.6**		0.2	0.2	SU			08/24/22 17:13	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-221122-1
Project/Site: IDOT - Grayslake - WO 009C

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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 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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Chain of Custody Record

520894

eurofins

Environment Testing
TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sievers	Site Contact	Date	COC No
Company Name	Tel/Email	Lab Contact	Carrier	1 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler
City/State Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grays Lake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

500-221122 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOC	SVOC	Total Metals	TCLP Metals	SPLP Metals	pH	Sample Specific Notes
1	AL44-2(3-5)-081822	8/18/22	955	G	S	5			X	X	X	X	X	X	
2	AL44-2(5-10)-081822	↓	1025	↓	↓	↓			↓	↓	↓	↓	↓	↓	
3	AL44-2(10-15)-081822		1035												
4	AL44-3(2-5)-081822		1050												
5	AL44-3(5-10)-081822		1055												
6	AL44-3(5-10)-081822D		1100												
7	AL44-3(10-15)-081822		1105												
8	AL44-4(7-11)-081822		1115												
9	AL44-4(11-15)-081822		1120												
10	AL44-5(7-11)-081822		1130												
11	AL44-5(11-15)-081822		1135												
12	AL44-6(2-5)-081822	↓	1205	↓	↓	↓			↓	↓	↓	↓	↓	↓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

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

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

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

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

Special Instructions/QC Requirements & Comments:

3.2+1.2, 95+25

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

	Relinquished by	Company	Date/Time	Received by	Company	Date/Time
1		Weston Solutions	8.19.22 943		EETA	8/19/22 0945
2		EETA	8/19/22 1105			
3				Received in Laboratory by: Stephanie Hernandez	EETA	8/19/22 1105

Chain of Custody Record

542C14

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sleger	Site Contact	Date	COC No
Company Name	Tel/Email.	Lab Contact	Carrier	2 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler:
City/State/Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grayslake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	SVOC	Total metals	TCLP metals	SPLP metals	pH	Sample Specific Notes
3	AL44-6 (5-10) -081822	8-18-22	~~1240~~ 1210	G	S	5			X	X	X	X	X	X	
4	AL44-6 (10-15) -081822		1215												
5	AL44-7 (2-8) -081822		1240												
6	SQ-1 (5-8) -081822		1310												
7	MI-2 (3-8) -081822		1330												
8	MI-2 (3-8) -081822D		1325												
9	MI-3 (6-12) -081822		1350												
	VM-2 (4-8) -081822		1410												
	VM-2 (8-13) -081822		1415												
	VM-3 (6-13) -081822		1430												

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

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

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

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

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

Special Instructions/QC Requirements & Comments:

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

Relinquished by	Company: Weston Solutions	Date/Time: 8-19-22 0943	Received by	Company: EEA	Date/Time: 08/19/22 0943
Relinquished by	Company: EEA	Date/Time: 8/19/22 1105	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: Stephanie Hernandez	Company: EEA	Date/Time: 8/19/22 1105

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ANALYTICAL REPORT

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

Laboratory Job ID: 500-176788-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
2/7/2020 1:15:32 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

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

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: VC50-2(0-5)-012220

Date Collected: 01/22/20 13:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-11

Matrix: Solid
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.4		2.4	0.79	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,1,2,2-Tetrachloroethane	<2.4		2.4	0.76	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,1,2-Trichloroethane	<2.4		2.4	1.0	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,1-Dichloroethane	<2.4		2.4	0.81	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,1-Dichloroethene	<2.4		2.4	0.82	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,2-Dichloroethane	<5.9		5.9	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,2-Dichloropropane	<2.4		2.4	0.61	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,3-Dichloropropene, Total	<2.4		2.4	0.83	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Acetone	**46**		24	10	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Benzene	<2.4		2.4	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Bromodichloromethane	<2.4		2.4	0.48	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Bromoform	<2.4		2.4	0.69	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Carbon disulfide	<5.9		5.9	1.2	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Carbon tetrachloride	<2.4		2.4	0.69	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Chlorobenzene	<2.4		2.4	0.87	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Chloroethane	<5.9		5.9	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Chloroform	<2.4		2.4	0.82	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Chloromethane	<5.9		5.9	2.4	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
cis-1,2-Dichloroethene	<2.4		2.4	0.66	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
cis-1,3-Dichloropropene	<2.4		2.4	0.71	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Dibromochloromethane	<2.4		2.4	0.77	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Ethylbenzene	<2.4		2.4	1.1	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Methyl Ethyl Ketone	**5.3**	**J**	5.9	2.6	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
methyl isobutyl ketone	<5.9		5.9	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Methyl tert-butyl ether	<2.4		2.4	0.70	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Methylene Chloride	<5.9		5.9	2.3	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Styrene	<2.4		2.4	0.72	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Tetrachloroethene	<2.4		2.4	0.81	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Toluene	<2.4		2.4	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
trans-1,2-Dichloroethene	<2.4		2.4	1.0	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
trans-1,3-Dichloropropene	<2.4		2.4	0.83	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Trichloroethene	<2.4		2.4	0.80	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Vinyl chloride	<2.4		2.4	1.0	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Xylenes, Total	<4.7		4.7	0.76	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/23/20 16:35*	*02/02/20 13:36*	*1*
4-Bromofluorobenzene (Surr)	*109*		*75 - 131*	*01/23/20 16:35*	*02/02/20 13:36*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*01/23/20 16:35*	*02/02/20 13:36*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*02/02/20 13:36*	*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	☼	01/29/20 16:12	01/31/20 03:22	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1

Client Sample ID: VC50-2(0-5)-012220
Date Collected: 01/22/20 13:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-11
Matrix: Solid
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	95	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Methylnaphthalene	<84		84	7.6	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Methylphenol	<210		210	67	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4,6-Dinitro-2-methylphenol	<840		840	330	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Nitrophenol	<840	*	840	400	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Acenaphthylene	**11**	**J**	41	5.5	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Anthracene	**30**	**J**	41	6.9	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Benzo[a]anthracene	**310**		41	5.6	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Benzo[a]pyrene	**560**		41	8.0	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Benzo[b]fluoranthene	**860**		41	9.0	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Benzo[g,h,i]perylene	**340**		41	13	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Benzo[k]fluoranthene	**310**		41	12	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Carbazole	<210		210	100	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Chrysene	**450**		41	11	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Dibenz(a,h)anthracene	**74**		41	8.0	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Dibenzofuran	<210		210	49	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Fluoranthene	**570**		41	7.7	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Fluorene	<41		41	5.8	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Hexachlorobenzene	<84		84	9.6	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Hexachloroethane	<210		210	63	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1

Client Sample ID: VC50-2(0-5)-012220
Date Collected: 01/22/20 13:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-11
Matrix: Solid
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**280**		41	11	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Isophorone	<210		210	47	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Naphthalene	**7.4**	**J**	41	6.4	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Nitrobenzene	<41	*	41	10	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
N-Nitrosodi-n-propylamine	<84		84	51	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Phenanthrene	**120**		41	5.8	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Phenol	<210		210	92	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Pyrene	**540**		41	8.3	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*31 - 143*	*01/29/20 16:12*	*01/31/20 03:22*	*1*
2-Fluorobiphenyl	*94*		*43 - 145*	*01/29/20 16:12*	*01/31/20 03:22*	*1*
2-Fluorophenol	*118*		*31 - 166*	*01/29/20 16:12*	*01/31/20 03:22*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*01/29/20 16:12*	*01/31/20 03:22*	*1*
Phenol-d5	*95*		*30 - 153*	*01/29/20 16:12*	*01/31/20 03:22*	*1*
Terphenyl-d14	*138*		*42 - 157*	*01/29/20 16:12*	*01/31/20 03:22*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Barium	**0.54**		0.50	0.050	mg/L		01/31/20 15:51	02/03/20 15:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 15:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 15:30	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Cobalt	**0.042**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 15:30	1
Lead	**0.014**		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 15:30	1
Manganese	**11**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Nickel	**0.021**	**J**	0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 15:30	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Zinc	**0.095**	**J B ***	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.016**	**J**	0.050	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		01/31/20 15:49	02/03/20 14:00	1
Beryllium	**0.0041**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 14:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 14:00	1
Chromium	**0.10**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Cobalt	**0.029**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Copper	**0.10**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Iron	**93**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 14:00	1
Lead	**0.11**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 14:00	1
Manganese	**0.56**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Nickel	**0.087**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 14:00	1

Client Sample ID: VC50-2(0-5)-012220
Date Collected: 01/22/20 13:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-11
Matrix: Solid
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Zinc	**0.43**	**J**	0.50	0.020	mg/L		01/31/20 15:49	02/03/20 14:00	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	☼	01/28/20 06:52	01/30/20 05:12	1
Arsenic	**5.5**		0.59	0.20	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Barium	**110**		0.59	0.067	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Beryllium	**0.98**		0.24	0.055	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Cadmium	**0.19**	**B**	0.12	0.021	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Calcium	**3200**	**B**	12	2.0	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Chromium	**23**		0.59	0.29	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Cobalt	**13**		0.30	0.077	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Copper	**18**		0.59	0.17	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Iron	**19000**		12	6.1	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Lead	**17**		0.30	0.14	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Magnesium	**3700**		5.9	2.9	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Manganese	**320**		0.59	0.086	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Nickel	**26**		0.59	0.17	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Potassium	**2900**		30	10	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Selenium	**0.35**	**J**	0.59	0.35	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Silver	**4.0**		0.30	0.076	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Sodium	**380**		59	8.7	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Vanadium	**33**		0.30	0.070	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Zinc	**74**	**B**	1.2	0.52	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	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		02/06/20 10:15	02/07/20 08:49	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		02/06/20 10:15	02/07/20 10:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**27**		20	6.6	ug/Kg	☼	02/05/20 14:00	02/06/20 08:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.6**		0.2	0.2	SU			01/29/20 16:43	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176788-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-176788 COC

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176788
Chain of Custody Number:
Page 3 of 5
Temperature °C of Cooler: 2.6, 5.7, 4.5, 5.1, 3.7

Client: Weston Solutions, Inc.
Client Project #: 02056.016.004
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: [illegible] + Tayer O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		AL45-8(0-4)-012220	1/22/21	1205	5	S	x	x	x	x	x					
2		AL45-8(4-8)-012220		1210	5											
3		~~AL45(~~ AL45-7(0-4)-012220		1150	5											
4		AL45-6(0-5)-012220		1130	5											
5		AL45-6(5-10)-012220		1135	5											
6		AL45-6(5-10)-012220D		1135	5											
7		AL45-6(10-13)-012220		1145	5											
8		AL45-5(0-5)-012220		1100	5											
9		AL45-5(5-10)-012220		1105	5											
10		AL45-5(10-15)-012220		1115	5											

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 ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	1/22/20	1730	Timothy H. Wells	Weston	1-22-20	1730
Timothy H. Wells	Weston	1-23-20	1137	[signature]	TA	1/23/20	1137
[signature]	TA	1/23/20	1323	[signature]	TA CH	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/7/2020

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: Andris Slesors
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176788
Chain of Custody Number:
Page 4 of 5
Temperature °C of Cooler:

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Lee + Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL metals	TCLP/SPLP metals	PAH					Comments
11		VC50-2(0-5)-012220	1/22/20	1350	5	S		x	x	x	x	x					
12		VC50-1(0-5)-012220		1345	5												
13		AL44-6(0-2)-012220		1330	5												
14		AL44-5(0-3)-012220		1315	5												
15		AL44-5(3-7)-012220		1320	5												
16		AL44-5(3-7)-012220D		1320	5												
17		AL44-4(0-3)-012220		1300	6												
18		AL44-4(3-7)-012220		1305	5												
19		AL45-9(0-5)-012220		1215	5												
		7-Coolers 1-22-20															

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
1	Lee	Weston	1/22/20	1730	Timothy Wells	Weston	1-22-20	1730
2	Timothy A. Wells	Weston	1-23-20	1137	[illegible]	TA	1/23/20	1137
3	[illegible]	TA	1/23/20	1323	[illegible] Scott TA-CHI	TA	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500-(1209)

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Agricultural Land - 400-500 blocks of S. Atkinson Road (ISGS Site No. 3079V2-45)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

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

Latitude: 42.32764 (Decimal Degrees) Longitude: - 88.02439 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

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

Estimated Volume of debris (cu. Yd.): 24,933

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: FAP 866 - IL 83 at IL 137 Latitude: 42.32764 Longitude: - 88.02439

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 AL45-1 THROUGH AL45-12 WERE SAMPLED ALONG THE AGRICULTURAL LAND ROW. SEE FIGURES 3-2 AND 3-3, AND TABLE 4-1 OF THE 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 REPORTS - JOB IDs: 500-176787-1, 500-176790-1, AND 500-176788-1. ALSO SEE FIGURES 4-2 AND 4-3 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

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

Summary Table of Agricultural Land (ISGS Site No. 3079V-45)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL45-1	AL45-2	AL45-3	AL45-4	AL45-4	AL45-4	AL45-4	AL45-5	AL45-5	AL45-5	AL45-6
Sample Date		1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020
Field Sample ID		AL45-1(0-2)-012220	AL45-2(0-2)-012220	AL45-3(0-4)-012220	AL45-4(0-6)-012220	AL45-4(6-12)-012220	AL45-4(6-12)-012220D	AL45-4(12-18)-012220	AL45-5(0-5)-012220	AL45-5(5-10)-012220	AL45-5(10-15)-012220	AL45-6(0-5)-012220
ISGS Site No.		3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45
Laboratory pH	<6.25, >9.0	7.9	8.4	7.8	8.9	7.8	7.5	7.2	8.8	8.5	8.1	8.2
VOCs		**No Exceedances**										
SVOCs (mg/kg)												
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	0.0079 J	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	0.016 J	0.014 J	0.0084 J	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	0.018 J	0.016 J	0.03 J	ND	ND	ND	ND	0.014 J	ND	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.11	0.11	0.16	ND	ND	ND	ND	0.075	ND	0.0093 J	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.16	0.18	0.21	ND	ND	ND	ND	0.12	ND	ND	0.019 J
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.22	0.26	0.38	ND	ND	ND	ND	0.15	ND	ND	0.011 J
Benzo(g,h,i)perylene	---	0.068	0.095	0.087	ND	ND	ND	ND	0.048	ND	ND	0.016 J
Benzo(k)fluoranthene	9	0.079	0.073	0.14	ND	ND	ND	ND	0.057	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	0.18 J	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	0.15	0.15	0.19	ND	0.014 J	0.015 J	0.016 J	0.098	0.02 J	ND	0.016 J
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	0.021 J	0.02 J	0.021 J	ND	ND	ND	ND	0.011 J	ND	ND	ND
Dibenzofuran	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.076 J
Fluoranthene	3100	0.28	0.26	0.39	ND	ND	ND	ND	0.15	0.0074 J	ND	0.033 J
Fluorene	560	0.016 J	0.015 J	0.0079 J	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.071	0.086	0.078	ND	ND	ND	ND	0.044	ND	ND	0.01 J
Naphthalene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.1	0.092	0.17	ND	ND	0.006 J	0.0065 J	0.058	ND	0.0073 J	0.017 J
Pyrene	2300	0.2	0.2	0.36	ND	0.0083 J	0.0097 J	0.0099 J	0.17	0.012 J	0.0084 J	0.041
Pesticides (mg/kg)												
4,4-DDD	3	---	---	---	---	---	---	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---	---	---	---	---	---	---
PCBs (mg/kg)												
Aroclor-1248	1	---	---	---	---	---	---	---	---	---	---	---

Summary Table of Agricultural Land (ISGS Site No. 3079V-45)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL45-1	AL45-2	AL45-3	AL45-4	AL45-4	AL45-4	AL45-4	AL45-5	AL45-5	AL45-5	AL45-6
Sample Date		1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020
Field Sample ID		AL45-1(0-2)-012220	AL45-2(0-2)-012220	AL45-3(0-4)-012220	AL45-4(0-6)-012220	AL45-4(6-12)-012220	AL45-4(6-12)-012220D	AL45-4(12-18)-012220	AL45-5(0-5)-012220	AL45-5(5-10)-012220	AL45-5(10-15)-012220	AL45-6(0-5)-012220
ISGS Site No.		3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45
Total Inorganics (mg/kg)												
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	0.58 J	0.43 J	0.34 J	0.53 J	0.67 J	0.4 J	0.47 J	0.41 J	0.55 J	0.43 J	0.6 J
Arsenic, Total	11.3 / 13.0	6.4	8.1	7.2	7.1	3.2	4.4	4.8	6.8	4.2	8.7	7.7
Barium, Total	1500	81 B	79 B	49 B	54 B	36 B	41 B	42 B	53	43	34	65
Beryllium, Total	22	0.71	0.85	0.76	0.81	0.75	0.76	0.63	0.84	0.8	0.62	1
Cadmium, Total	5.2	0.32	0.77	0.24	0.29	0.22	0.22	0.25	0.31 J	0.21 J	0.27 J	0.3 J
Calcium, Total	---	49000 B	50000 B	23000 B	76000 B	75000 B	73000 B	77000 B	69000 B	70000 B	73000 B	64000 B
Chromium, Total	21	16	19	18	18	16	17	14	18	18	15	23
Cobalt, Total	20	8.1	11	9.7	14	11	11	10	14	9.8	10	12
Copper, Total	2900	20	41	23	21	22	21	19	24 B	22 B	19 B	24 B
Cyanide, Total	0.2	---	---	---	---	---	---	---	---	---	---	---
Iron, Total	15000 / 15900	18000	19000	18000	18000	16000	17000	15000	20000	17000	14000	22000
Lead, Total	107	60	200	24	26	13	12	12	16	13	12	14
Magnesium, Total	325000	24000	25000	17000	33000	33000	32000	33000	28000	31000	31000	26000
Manganese, Total	630 / 636	350	490	420	630	440	430	470	550	370	440	380
Mercury, Total	0.89	0.022 J	0.024	0.024	0.014 J	0.026	0.013 J	0.016 J	0.02	0.015 J	0.012 J	0.027
Nickel, Total	100	21	27	27	32	27	26	25	39	27	26	36
Potassium, Total	---	1900	2000	2100	2900	3000	3000	2400	3000	3000	2300	3800
Selenium, Total	1.3	0.47 J	ND	ND	ND	0.44 J	ND	ND	0.42 J	0.53 J	0.48 J	ND
Silver, Total	4.4	2.2	2.5	2.7	3.1	2.7	2.8	2.4	2.7	2.9	2.2	3.2
Sodium, Total	---	1900	2200	1300	940	200	230	160	1000	620	260	710
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	23	24	24	26	22	23	21	25	24	20	29
Zinc, Total	5100	72	220	68	63	63	63	60	73 B	65 B	59 B	75 B
TCLP Metals (mg/l)												
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.34 J	0.32 J	0.34 J	0.42 J	0.38 J	0.39 J	0.52	0.44 J	0.34 J	0.43 J	0.43 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.0025 J	ND	ND	0.0023 J	0.0035 J	0.003 J	0.0025 J	0.0049 J	0.0026 J	0.0037 J	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.023 J	ND	ND	ND	0.038	0.034	0.03	ND	ND	0.079	ND
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	0.2 J	0.36 J	ND	ND	0.57	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	0.0099	ND	ND	ND
Manganese, TCLP	0.15	5.8	3.4	0.99	0.97	2.7	2.6	2.8	2.4	1.5	4.5	0.9
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.017 J	ND	ND	ND	0.05	0.048	0.057	ND	ND	0.13	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	ND	0.39 J	ND	ND	ND	ND	ND	ND

Summary Table of Agricultural Land (ISGS Site No. 3079V-45)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL45-1	AL45-2	AL45-3	AL45-4	AL45-4	AL45-4	AL45-4	AL45-5	AL45-5	AL45-5	AL45-6
Sample Date		1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020
Field Sample ID		AL45-1(0-2)-012220	AL45-2(0-2)-012220	AL45-3(0-4)-012220	AL45-4(0-6)-012220	AL45-4(6-12)-012220	AL45-4(6-12)-012220D	AL45-4(12-18)-012220	AL45-5(0-5)-012220	AL45-5(5-10)-012220	AL45-5(10-15)-012220	AL45-6(0-5)-012220
ISGS Site No.		3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45
SPLP Metals (mg/l)												
Arsenic, SPLP	0.05	0.058	0.079	0.06	0.066	ND	ND	ND	0.047 J	0.031 J	ND	0.058
Barium, SPLP	2	0.5	0.69	0.48 J	0.55	ND	ND	ND	0.56	0.34 J	ND	0.48 J
Beryllium, SPLP	0.004	0.008	0.0099	0.0071	0.0093	ND	ND	ND	0.0073	0.0061	ND	0.0063
Cadmium, SPLP	0.005	ND	0.0022 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.16	0.2	0.15	0.18	ND	ND	ND	0.19	0.15	0.011 J	0.15
Cobalt, SPLP	1	0.076	0.1	0.044	0.055	ND	ND	ND	0.048	0.045	ND	0.041
Copper, SPLP	0.65	0.23	0.28	0.17	0.27	ND	ND	ND	0.24	0.19	0.01 J	0.2
Iron, SPLP	5	170	210	160	190	4.4	0.49	0.26 J	180	150	6.4	160
Lead, SPLP	0.0075	0.34	0.37	0.12	0.12	ND	ND	ND	0.33	0.068	ND	0.066
Manganese, SPLP	0.15	1.8	2.5	1.4	0.87	0.045	0.046	0.082	1.1	0.67	0.077	0.99
Mercury, SPLP	0.002	0.00024	ND	0.00031 J	0.00038	ND	ND	ND	0.00038	0.00026	ND	0.00033
Nickel, SPLP	0.1	0.22	0.27	0.17	0.2	ND	ND	ND	0.17	0.14	ND	0.17
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	0.011 J	0.014 J	0.011 J	0.016 J	ND	ND	ND	ND	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.67	0.97	0.5	0.65	0.022 J	ND	0.062 J	0.69	0.62	0.027 J	0.44 J

Summary Table of Agricultural Land (ISGS Site No. 3079V-45)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL45-6	AL45-6	AL45-6	AL45-7	AL45-8	AL45-8	AL45-9	AL45-10	AL45-11	AL45-12
Sample Date		1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020
Field Sample ID		AL45-6(5-10)-012220	AL45-6(5-10)-012220D	AL45-6(10-13)-012220	AL45-7(0-4)-012220	AL45-8(0-4)-012220	AL45-8(4-8)-012220	AL45-9(0-5)-012220	AL45-10(0-4)-012220	AL45-11(0-5)-012220	AL45-12(0-6)-012220
ISGS Site No.		3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45
Laboratory pH	<6.25, >9.0	8.4	8.3	8.3	8.3	7.6	7.5	8.0	7.7	7.5	8.2
VOCs		**No Exceedances**									
SVOCs (mg/kg)											
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	0.013 J	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	0.038	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	0.043	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	0.048	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	ND	ND	0.0094 J	0.06	ND	0.011 J	ND	ND	ND	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	ND	ND	ND	0.088	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	ND	ND	ND	0.14	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	---	ND	ND	ND	0.04	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	9	ND	ND	ND	0.049	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	ND	ND	ND	0.087	ND	0.013 J	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	---	ND	ND	ND	0.068 J	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	0.075 J	ND	ND	0.074 J	ND	ND	ND
Fluoranthene	3100	ND	ND	ND	0.16	ND	ND	0.021 J	ND	ND	ND
Fluorene	560	ND	ND	ND	0.013 J	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	ND	ND	0.039	ND	ND	ND	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	0.036 J	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	ND	ND	0.065	ND	0.0086 J	0.013 J	ND	ND	ND
Pyrene	2300	ND	ND	0.0094 J	0.13	ND	0.0085 J	0.032 J	ND	ND	ND
Pesticides (mg/kg)											
4,4-DDD	3	---	---	---	---	---	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---	---	---	---	---	---
PCBs (mg/kg)											
Aroclor-1248	1	---	---	---	---	---	---	---	---	---	---

Summary Table of Agricultural Land (ISGS Site No. 3079V-45)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL45-6	AL45-6	AL45-6	AL45-7	AL45-8	AL45-8	AL45-9	AL45-10	AL45-11	AL45-12
Sample Date		1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020
Field Sample ID		AL45-6(5-10)-012220	AL45-6(5-10)-012220D	AL45-6(10-13)-012220	AL45-7(0-4)-012220	AL45-8(0-4)-012220	AL45-8(4-8)-012220	AL45-9(0-5)-012220	AL45-10(0-4)-012220	AL45-11(0-5)-012220	AL45-12(0-6)-012220
ISGS Site No.		3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45
Total Inorganics (mg/kg)											
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	0.43 J	0.52 J	0.42 J	0.38 J	0.5 J	0.49 J	0.37 J	0.56 J	0.48 J	0.65 J
Arsenic, Total	11.3 / 13.0	5.4	4.9	6.4	8.2	7.6 J	5.7	6.4	5.9	9.5	6.3
Barium, Total	1500	57	53	50	61	35	39	41	58	64	46
Beryllium, Total	22	0.8	0.76	0.82	0.93	0.75	0.78	0.76	0.9	1.2	0.83
Cadmium, Total	5.2	0.22 J	0.23 J	0.24 J	0.25 J	0.24 J	0.19 J	0.25 J	0.23 B	ND	ND
Calcium, Total	---	62000 B	84000 B	67000 B	22000 B	77000 B	81000 B	71000 B	79000 B	1300 B	79000 B
Chromium, Total	21	19	19	19	21	16	18	17	20	26	18
Cobalt, Total	20	10	7.6	7.8	13	11	12	15	13	18	14
Copper, Total	2900	20 B	18	22 B	25 B	21 B	20 B	23 B	22	31	21
Cyanide, Total	0.2	---	---	---	---	---	---	---	---	---	---
Iron, Total	15000 / 15900	15000	16000	17000	21000	19000	22000	17000	18000	27000	17000
Lead, Total	107	14	11	13	33	13	12	12	12	19	13
Magnesium, Total	325000	24000	30000	27000	16000	32000	44000	29000	30000	5000	31000
Manganese, Total	630 / 636	330	320	290	480	430	380	400	380	430	450
Mercury, Total	0.89	0.013 J	0.019 J	0.019	0.037	0.015 J	0.016 J	0.015 J	0.012 J	0.025	0.0067 J
Nickel, Total	100	24	23	25	33	30	28	34	32	44	33
Potassium, Total	---	3100	2900	3100	2500	2800	3300	2800	3100	2800	3300
Selenium, Total	1.3	0.39 J	ND	0.43 J	ND	0.32 J	0.43 J	ND	ND	ND	ND
Silver, Total	4.4	3.2	3	3	3.4	2.4	2.7	2.8	2.8	3.9	2.6
Sodium, Total	---	510	660	300	200	690	220	610	160	1700	350
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	0.28 J	ND	ND	ND
Vanadium, Total	550	27	23	26	29	23	23	22	26	35	25
Zinc, Total	5100	68 B	64 B	71 B	77 B	59 B	55 B	63 B	50	79	51
TCLP Metals (mg/l)											
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.4 J	0.43 J	0.49 J	0.48 J	0.33 J	0.32 J	0.35 J	0.45 J	0.4 J	0.33 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	0.002 J	0.0026 J	0.0034 J	0.002 J	0.0021 J	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	ND	0.033	ND	ND	ND	0.018 J	0.034	ND
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	0.028	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	0.84	0.85	1.2	7.1	0.78	1.2	0.95	6.8	13	0.91
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	ND	0.024 J	ND	ND	ND	0.025	0.026	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	ND	ND	ND	ND	0.25 J	ND	ND

Summary Table of Agricultural Land (ISGS Site No. 3079V-45)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL45-6	AL45-6	AL45-6	AL45-7	AL45-8	AL45-8	AL45-9	AL45-10	AL45-11	AL45-12
Sample Date		1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020	1/22/2020
Field Sample ID		AL45-6(5-10)-012220	AL45-6(5-10)-012220D	AL45-6(10-13)-012220	AL45-7(0-4)-012220	AL45-8(0-4)-012220	AL45-8(4-8)-012220	AL45-9(0-5)-012220	AL45-10(0-4)-012220	AL45-11(0-5)-012220	AL45-12(0-6)-012220
ISGS Site No.		3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45	3079V-45
SPLP Metals (mg/l)											
Arsenic, SPLP	0.05	0.061	0.057	0.053	0.067	0.047 J	0.035 J	0.045 J	0.019 J	0.069	0.054
Barium, SPLP	2	0.54	0.54	0.41 J	0.62	0.31 J	0.25 J	0.38 J	0.17 J	0.43 J	0.4 J
Beryllium, SPLP	0.004	0.0078	0.0076	0.006	0.0073	0.0046	0.0042	0.0057	ND	0.0069	0.0067
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.19	0.18	0.15	0.18	0.11	0.1	0.13	0.051	0.13	0.13
Cobalt, SPLP	1	0.043	0.043	0.033	0.073	0.032	0.035	0.037	0.019 J	0.07	0.034
Copper, SPLP	0.65	0.25	0.24	0.19	0.27	0.15	0.14	0.17	0.058	0.19	0.16
Iron, SPLP	5	190	180	140	190	120	110	130	49	170	130
Lead, SPLP	0.0075	0.09	0.089	0.075	0.59	0.051	0.045	0.052	0.028	0.085	0.061
Manganese, SPLP	0.15	0.79	0.77	0.56	1.6	0.44	0.49	0.59	0.47	1.8	0.6
Mercury, SPLP	0.002	0.00041	0.00042	0.00028	0.00035	ND	ND	0.00025	ND	0.00028	0.00023
Nickel, SPLP	0.1	0.16	0.16	0.12	0.21	0.12	0.11	0.14	0.056	0.21	0.14
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	0.012 J	0.011 J
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.58	0.55	0.53	0.72	0.36 J	0.28 J	0.47 J	0.11 J	0.45 J	0.33 J

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

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ANALYTICAL REPORT

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

Laboratory Job ID: 500-176787-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
2/5/2020 4:55:53 PM
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Designee for

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

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: AL45-4(0-6)-012220

Date Collected: 01/22/20 10:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-5

Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Acetone	**38**		17	7.2	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Bromoform	<1.7		1.7	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Bromomethane	<4.1		4.1	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Carbon disulfide	<4.1		4.1	0.86	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Chloroform	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Chloromethane	<4.1		4.1	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
cis-1,2-Dichloroethene	<1.7		1.7	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Ethylbenzene	<1.7		1.7	0.79	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Methyl tert-butyl ether	<1.7		1.7	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Tetrachloroethene	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
trans-1,2-Dichloroethene	<1.7		1.7	0.73	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Vinyl chloride	<1.7		1.7	0.73	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*01/23/20 16:35*	*01/31/20 02:51*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 131*	*01/23/20 16:35*	*01/31/20 02:51*	*1*
Dibromofluoromethane	*105*		*75 - 126*	*01/23/20 16:35*	*01/31/20 02:51*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/23/20 16:35*	*01/31/20 02:51*	*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	☼	01/30/20 13:29	01/31/20 12:41	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176787-1

Client Sample ID: AL45-4(0-6)-012220
Date Collected: 01/22/20 10:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-5
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2-Methylphenol	<200		200	63	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Anthracene	<39		39	6.6	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Carbazole	<200		200	98	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Chrysene	<39		39	11	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Fluorene	<39		39	5.5	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Hexachloroethane	<200		200	60	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1

Client Sample ID: AL45-4(0-6)-012220

Date Collected: 01/22/20 10:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-5

Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Isophorone	<200		200	44	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Naphthalene	<39		39	6.1	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Phenol	<200		200	87	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1
Pyrene	<39		39	7.8	ug/Kg	☼	01/30/20 13:29	01/31/20 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*55*		*31 - 143*	*01/30/20 13:29*	*01/31/20 12:41*	*1*
2-Fluorobiphenyl	*70*		*43 - 145*	*01/30/20 13:29*	*01/31/20 12:41*	*1*
2-Fluorophenol	*82*		*31 - 166*	*01/30/20 13:29*	*01/31/20 12:41*	*1*
Nitrobenzene-d5	*62*		*37 - 147*	*01/30/20 13:29*	*01/31/20 12:41*	*1*
Phenol-d5	*84*		*30 - 153*	*01/30/20 13:29*	*01/31/20 12:41*	*1*
Terphenyl-d14	*99*		*42 - 157*	*01/30/20 13:29*	*01/31/20 12:41*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 16:58	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 16:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 16:58	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 16:58	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:58	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:58	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:58	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 16:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 16:58	1
Manganese	**0.97**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:58	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:58	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 16:58	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:58	1
Zinc	<0.50		0.50	0.020	mg/L		01/31/20 15:55	02/03/20 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.066**		0.050	0.010	mg/L		01/31/20 15:46	02/03/20 14:54	1
Barium	**0.55**		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 14:54	1
Beryllium	**0.0093**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 14:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 14:54	1
Chromium	**0.18**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:54	1
Cobalt	**0.055**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:54	1
Copper	**0.27**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:54	1
Iron	**190**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 14:54	1
Lead	**0.12**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 14:54	1
Manganese	**0.87**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:54	1
Nickel	**0.20**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:54	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 14:54	1

Client Sample ID: AL45-4(0-6)-012220

Date Collected: 01/22/20 10:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-5

Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.016	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:54	1
Zinc	0.65		0.50	0.020	mg/L		01/31/20 15:46	02/03/20 14:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J	1.2	0.23	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Arsenic	7.1		0.60	0.20	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Barium	54	B	0.60	0.068	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Beryllium	0.81		0.24	0.056	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Cadmium	0.29		0.12	0.021	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Calcium	76000	B	120	20	mg/Kg	☼	01/29/20 06:46	01/31/20 01:02	10
Chromium	18		0.60	0.30	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Cobalt	14		0.30	0.078	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Copper	21		0.60	0.17	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Iron	18000		12	6.2	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Lead	26		0.30	0.14	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Magnesium	33000		6.0	3.0	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Manganese	630		0.60	0.087	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Nickel	32		0.60	0.17	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Potassium	2900		30	11	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Silver	3.1		0.30	0.077	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Sodium	940		60	8.8	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Vanadium	26		0.30	0.070	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	1
Zinc	63		1.2	0.52	mg/Kg	☼	01/29/20 06:46	01/29/20 19:00	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		02/04/20 10:25	02/05/20 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.38		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	19	6.3	ug/Kg	☼	01/31/20 14:45	02/04/20 09:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-4(6-12)-012220

Date Collected: 01/22/20 10:20
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-6

Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Acetone	**26**		17	7.2	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Bromoform	<1.7		1.7	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Bromomethane	<4.1		4.1	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Carbon disulfide	<4.1		4.1	0.86	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Chloroform	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Chloromethane	<4.1		4.1	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
cis-1,2-Dichloroethene	<1.7		1.7	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Ethylbenzene	<1.7		1.7	0.79	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Tetrachloroethene	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
trans-1,2-Dichloroethene	<1.7		1.7	0.73	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Vinyl chloride	<1.7		1.7	0.73	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*01/23/20 16:35*	*01/31/20 03:16*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 131*	*01/23/20 16:35*	*01/31/20 03:16*	*1*
Dibromofluoromethane	*108*		*75 - 126*	*01/23/20 16:35*	*01/31/20 03:16*	*1*
Toluene-d8 (Surr)	*91*		*75 - 124*	*01/23/20 16:35*	*01/31/20 03:16*	*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	☼	01/30/20 13:29	01/31/20 14:20	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1

Client Sample ID: AL45-4(6-12)-012220
Date Collected: 01/22/20 10:20
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-6
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Anthracene	<40		40	6.7	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Carbazole	<200		200	100	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Chrysene	**14**	**J**	40	11	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Fluorene	<40		40	5.6	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Hexachloroethane	<200		200	61	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1

Client Sample ID: AL45-4(6-12)-012220

Date Collected: 01/22/20 10:20
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-6

Matrix: Solid
Percent Solids: 82.8

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	<40		40	10	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Isophorone	<200		200	45	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Naphthalene	<40		40	6.2	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Nitrobenzene	<40		40	10	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Phenol	<200		200	89	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1
Pyrene	**8.3**	**J**	40	7.9	ug/Kg	☼	01/30/20 13:29	01/31/20 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*54*		*31 - 143*	*01/30/20 13:29*	*01/31/20 14:20*	*1*
2-Fluorobiphenyl	*79*		*43 - 145*	*01/30/20 13:29*	*01/31/20 14:20*	*1*
2-Fluorophenol	*84*		*31 - 166*	*01/30/20 13:29*	*01/31/20 14:20*	*1*
Nitrobenzene-d5	*69*		*37 - 147*	*01/30/20 13:29*	*01/31/20 14:20*	*1*
Phenol-d5	*86*		*30 - 153*	*01/30/20 13:29*	*01/31/20 14:20*	*1*
Terphenyl-d14	*108*		*42 - 157*	*01/30/20 13:29*	*01/31/20 14:20*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 17:12	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 17:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 17:12	1
Cadmium	**0.0035**	**J**	0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 17:12	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:12	1
Cobalt	**0.038**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:12	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:12	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 17:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 17:12	1
Manganese	**2.7**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:12	1
Nickel	**0.050**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:12	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 17:12	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:12	1
Zinc	**0.39**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 17:12	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		01/31/20 15:46	02/03/20 14:57	1
Barium	<0.50		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 14:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 14:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 14:57	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:57	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:57	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:57	1
Iron	**4.4**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 14:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 14:57	1
Manganese	**0.045**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:57	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:57	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 14:57	1

Client Sample ID: AL45-4(6-12)-012220

Date Collected: 01/22/20 10:20
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-6

Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:57	1
Zinc	**0.022**	**J**	0.50	0.020	mg/L		01/31/20 15:46	02/03/20 14:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.67**	**J**	1.1	0.22	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Arsenic	**3.2**		0.56	0.19	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Barium	**36**	**B**	0.56	0.063	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Beryllium	**0.75**		0.22	0.052	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Cadmium	**0.22**		0.11	0.020	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Calcium	**75000**	**B**	110	19	mg/Kg	☼	01/29/20 06:46	01/31/20 01:06	10
Chromium	**16**		0.56	0.28	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Cobalt	**11**		0.28	0.073	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Copper	**22**		0.56	0.16	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Iron	**16000**		11	5.8	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Lead	**13**		0.28	0.13	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Magnesium	**33000**		5.6	2.8	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Manganese	**440**		0.56	0.081	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Nickel	**27**		0.56	0.16	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Potassium	**3000**		28	9.9	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Selenium	**0.44**	**J**	0.56	0.33	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Silver	**2.7**		0.28	0.072	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Sodium	**200**		56	8.2	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Vanadium	**22**		0.28	0.066	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	1
Zinc	**63**		1.1	0.49	mg/Kg	☼	01/29/20 06:46	01/29/20 19:12	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		02/04/20 10:25	02/05/20 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**		19	6.5	ug/Kg	☼	01/31/20 14:45	02/04/20 09:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.8**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-4(6-12)-012220D

Date Collected: 01/22/20 10:20
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-7

Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
1,1-Dichloroethane	<1.6		1.6	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
1,2-Dichloropropane	<1.6		1.6	0.40	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Acetone	**36**		16	6.8	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Carbon tetrachloride	<1.6		1.6	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Ethylbenzene	<1.6		1.6	0.75	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Toluene	<1.6		1.6	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
trans-1,2-Dichloroethene	<1.6		1.6	0.69	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*01/23/20 16:35*	*01/31/20 03:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 131*	*01/23/20 16:35*	*01/31/20 03:41*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*01/23/20 16:35*	*01/31/20 03:41*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*	*01/23/20 16:35*	*01/31/20 03:41*	*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	☼	01/30/20 13:29	01/31/20 14:44	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176787-1

Client Sample ID: AL45-4(6-12)-012220D
Date Collected: 01/22/20 10:20
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-7
Matrix: Solid
Percent Solids: 82.8

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	91	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Anthracene	<39		39	6.6	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Benzo[b]fluoranthene	<39		39	8.6	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Carbazole	<200		200	99	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Chrysene	**15**	**J**	39	11	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Fluoranthene	<39		39	7.4	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Fluorene	<39		39	5.6	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Hexachloroethane	<200		200	60	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1

Client Sample ID: AL45-4(6-12)-012220D

Date Collected: 01/22/20 10:20
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-7

Matrix: Solid
Percent Solids: 82.8

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	☼	01/30/20 13:29	01/31/20 14:44	1
Isophorone	<200		200	45	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Naphthalene	<39		39	6.1	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
N-Nitrosodi-n-propylamine	<80		80	49	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Phenanthrene	**6.0**	**J**	39	5.5	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Phenol	<200		200	88	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1
Pyrene	**9.7**	**J**	39	7.9	ug/Kg	☼	01/30/20 13:29	01/31/20 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*31 - 143*	*01/30/20 13:29*	*01/31/20 14:44*	*1*
2-Fluorobiphenyl	*87*		*43 - 145*	*01/30/20 13:29*	*01/31/20 14:44*	*1*
2-Fluorophenol	*92*		*31 - 166*	*01/30/20 13:29*	*01/31/20 14:44*	*1*
Nitrobenzene-d5	*74*		*37 - 147*	*01/30/20 13:29*	*01/31/20 14:44*	*1*
Phenol-d5	*93*		*30 - 153*	*01/30/20 13:29*	*01/31/20 14:44*	*1*
Terphenyl-d14	*121*		*42 - 157*	*01/30/20 13:29*	*01/31/20 14:44*	*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		01/31/20 15:55	02/03/20 17:16	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 17:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 17:16	1
Cadmium	**0.0030**	**J**	0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 17:16	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:16	1
Cobalt	**0.034**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:16	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:16	1
Iron	**0.20**	**J**	0.40	0.20	mg/L		01/31/20 15:55	02/03/20 17:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 17:16	1
Manganese	**2.6**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:16	1
Nickel	**0.048**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:16	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 17:16	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:16	1
Zinc	**0.081**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 17:16	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		01/31/20 15:46	02/03/20 15:01	1
Barium	<0.50		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:01	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:01	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:01	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:01	1
Iron	**0.49**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:01	1
Manganese	**0.046**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:01	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:01	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:01	1

Client Sample ID: AL45-4(6-12)-012220D

Date Collected: 01/22/20 10:20
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-7

Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:01	1
Zinc	<0.50		0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.40**	**J**	1.2	0.23	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Arsenic	**4.4**		0.60	0.21	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Barium	**41**	**B**	0.60	0.069	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Beryllium	**0.76**		0.24	0.056	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Cadmium	**0.22**		0.12	0.022	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Calcium	**73000**	**B**	120	20	mg/Kg	☼	01/29/20 06:46	01/31/20 01:11	10
Chromium	**17**		0.60	0.30	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Cobalt	**11**		0.30	0.079	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Copper	**21**		0.60	0.17	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Iron	**17000**		12	6.3	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Lead	**12**		0.30	0.14	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Magnesium	**32000**		6.0	3.0	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Manganese	**430**		0.60	0.088	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Nickel	**26**		0.60	0.18	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Potassium	**3000**		30	11	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Silver	**2.8**		0.30	0.078	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Sodium	**230**		60	8.9	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Vanadium	**23**		0.30	0.071	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1
Zinc	**63**		1.2	0.53	mg/Kg	☼	01/29/20 06:46	01/29/20 19:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**13**	**J**	18	6.1	ug/Kg	☼	01/31/20 14:45	02/04/20 09:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.5**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-4(12-18)-012220
Lab Sample ID: 500-176787-10
Date Collected: 01/22/20 10:35
Matrix: Solid
Date Received: 01/23/20 13:23
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Acetone	**57**		15	6.5	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Chloroethane	<3.7		3.7	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Ethylbenzene	<1.5		1.5	0.71	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Methyl Ethyl Ketone	<3.7		3.7	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*01/23/20 16:35*	*01/31/20 04:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*01/23/20 16:35*	*01/31/20 04:07*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*01/23/20 16:35*	*01/31/20 04:07*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*	*01/23/20 16:35*	*01/31/20 04:07*	*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	42	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1

Client Sample ID: AL45-4(12-18)-012220
Date Collected: 01/22/20 10:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-10
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2-Methylphenol	<200		200	63	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Anthracene	<39		39	6.6	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Carbazole	<200		200	98	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Chrysene	**16**	**J**	39	11	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Fluorene	<39		39	5.5	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Hexachloroethane	<200		200	60	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1

Client Sample ID: AL45-4(12-18)-012220

Date Collected: 01/22/20 10:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-10

Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Isophorone	<200		200	44	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Naphthalene	<39		39	6.1	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Phenanthrene	**6.5**	**J**	39	5.5	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Phenol	<200		200	88	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1
Pyrene	**9.9**	**J**	39	7.8	ug/Kg	☼	01/30/20 13:29	01/31/20 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*31 - 143*	*01/30/20 13:29*	*01/31/20 15:09*	*1*
2-Fluorobiphenyl	*86*		*43 - 145*	*01/30/20 13:29*	*01/31/20 15:09*	*1*
2-Fluorophenol	*92*		*31 - 166*	*01/30/20 13:29*	*01/31/20 15:09*	*1*
Nitrobenzene-d5	*72*		*37 - 147*	*01/30/20 13:29*	*01/31/20 15:09*	*1*
Phenol-d5	*93*		*30 - 153*	*01/30/20 13:29*	*01/31/20 15:09*	*1*
Terphenyl-d14	*115*		*42 - 157*	*01/30/20 13:29*	*01/31/20 15:09*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 17:21	1
Barium	**0.52**		0.50	0.050	mg/L		01/31/20 15:55	02/03/20 17:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 17:21	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 17:21	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:21	1
Cobalt	**0.030**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:21	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:21	1
Iron	**0.36**	**J**	0.40	0.20	mg/L		01/31/20 15:55	02/03/20 17:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 17:21	1
Manganese	**2.8**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:21	1
Nickel	**0.057**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:21	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 17:21	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:21	1
Zinc	**0.11**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 17:21	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		01/31/20 15:46	02/03/20 15:05	1
Barium	<0.50		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:05	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:05	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:05	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:05	1
Iron	**0.26**	**J**	0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:05	1
Manganese	**0.082**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:05	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:05	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:05	1

Client Sample ID: AL45-4(12-18)-012220

Date Collected: 01/22/20 10:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-10

Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:05	1
Zinc	**0.062**	**J**	0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.47**	**J**	1.1	0.22	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Arsenic	**4.8**		0.56	0.19	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Barium	**42**	**B**	0.56	0.064	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Beryllium	**0.63**		0.22	0.052	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Cadmium	**0.25**		0.11	0.020	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Calcium	**77000**	**B**	110	19	mg/Kg	☼	01/29/20 06:46	01/31/20 01:29	10
Chromium	**14**		0.56	0.28	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Cobalt	**10**		0.28	0.073	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Copper	**19**		0.56	0.16	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Iron	**15000**		11	5.8	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Lead	**12**		0.28	0.13	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Magnesium	**33000**		5.6	2.8	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Manganese	**470**		0.56	0.081	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Nickel	**25**		0.56	0.16	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Potassium	**2400**		28	9.9	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Silver	**2.4**		0.28	0.072	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Sodium	**160**		56	8.3	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Vanadium	**21**		0.28	0.066	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1
Zinc	**60**		1.1	0.49	mg/Kg	☼	01/29/20 06:46	01/29/20 19:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	18	6.1	ug/Kg	☼	01/31/20 14:45	02/04/20 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.2**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-3(0-4)-012220

Date Collected: 01/22/20 10:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-11

Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Acetone	**8.4**	**J**	17	7.3	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Chloroethane	<4.2		4.2	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*01/23/20 16:35*	*01/31/20 04:32*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 131*	*01/23/20 16:35*	*01/31/20 04:32*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*01/23/20 16:35*	*01/31/20 04:32*	*1*
Toluene-d8 (Surr)	*88*		*75 - 124*	*01/23/20 16:35*	*01/31/20 04:32*	*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	43	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176787-1

Client Sample ID: AL45-3(0-4)-012220
Date Collected: 01/22/20 10:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-11
Matrix: Solid
Percent Solids: 82.0

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	☼	01/30/20 13:29	01/31/20 15:34	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Acenaphthene	**7.9**	**J**	40	7.2	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Acenaphthylene	**8.4**	**J**	40	5.3	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Anthracene	**30**	**J**	40	6.7	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Benzo[a]anthracene	**160**		40	5.4	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Benzo[a]pyrene	**210**		40	7.8	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Benzo[b]fluoranthene	**380**		40	8.7	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Benzo[g,h,i]perylene	**87**		40	13	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Benzo[k]fluoranthene	**140**		40	12	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Bis(2-ethylhexyl) phthalate	**180**	**J**	200	73	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Carbazole	<200		200	100	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Chrysene	**190**		40	11	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Dibenz(a,h)anthracene	**21**	**J**	40	7.8	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Fluoranthene	**390**		40	7.5	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Fluorene	**7.9**	**J**	40	5.7	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Hexachloroethane	<200		200	61	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1

Client Sample ID: AL45-3(0-4)-012220

Date Collected: 01/22/20 10:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-11

Matrix: Solid
Percent Solids: 82.0

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	**78**		40	10	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Isophorone	<200		200	45	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Naphthalene	<40		40	6.2	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Nitrobenzene	<40		40	10	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Phenanthrene	**170**		40	5.6	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Phenol	<200		200	89	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1
Pyrene	**360**		40	8.0	ug/Kg	☼	01/30/20 13:29	01/31/20 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*31 - 143*	*01/30/20 13:29*	*01/31/20 15:34*	*1*
2-Fluorobiphenyl	*79*		*43 - 145*	*01/30/20 13:29*	*01/31/20 15:34*	*1*
2-Fluorophenol	*92*		*31 - 166*	*01/30/20 13:29*	*01/31/20 15:34*	*1*
Nitrobenzene-d5	*69*		*37 - 147*	*01/30/20 13:29*	*01/31/20 15:34*	*1*
Phenol-d5	*93*		*30 - 153*	*01/30/20 13:29*	*01/31/20 15:34*	*1*
Terphenyl-d14	*119*		*42 - 157*	*01/30/20 13:29*	*01/31/20 15:34*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 17:25	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 17:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 17:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 17:25	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:25	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:25	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:25	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 17:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 17:25	1
Manganese	**0.99**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:25	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:25	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 17:25	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:25	1
Zinc	**0.076**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 17:25	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		01/31/20 15:46	02/03/20 15:10	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:10	1
Beryllium	**0.0071**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:10	1
Chromium	**0.15**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:10	1
Cobalt	**0.044**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:10	1
Copper	**0.17**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:10	1
Iron	**160**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:10	1
Lead	**0.12**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:10	1
Manganese	**1.4**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:10	1
Nickel	**0.17**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:10	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:10	1

Client Sample ID: AL45-3(0-4)-012220

Date Collected: 01/22/20 10:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-11

Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.011	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:10	1
Zinc	0.50		0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:10	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	☼	01/29/20 06:46	01/29/20 19:25	1
Arsenic	7.2		0.60	0.20	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Barium	49	B	0.60	0.068	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Beryllium	0.76		0.24	0.056	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Cadmium	0.24		0.12	0.021	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Calcium	23000	B	12	2.0	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Chromium	18		0.60	0.30	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Cobalt	9.7		0.30	0.078	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Copper	23		0.60	0.17	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Iron	18000		12	6.2	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Lead	24		0.30	0.14	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Magnesium	17000		6.0	3.0	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Manganese	420		0.60	0.087	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Nickel	27		0.60	0.17	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Potassium	2100		30	11	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Silver	2.7		0.30	0.077	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Sodium	1300		60	8.8	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Vanadium	24		0.30	0.070	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1
Zinc	68		1.2	0.52	mg/Kg	☼	01/29/20 06:46	01/29/20 19:25	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.31	F1	0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		19	6.4	ug/Kg	☼	01/31/20 14:45	02/04/20 09:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-2(0-2)-012220

Date Collected: 01/22/20 09:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-12

Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
1,2-Dichloroethane	<4.3		4.3	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
2-Hexanone	<4.3		4.3	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Acetone	**34**		17	7.6	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
cis-1,2-Dichloroethene	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Methyl Ethyl Ketone	**3.8**	**J**	4.3	1.9	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 04:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*01/23/20 16:35*	*01/31/20 04:57*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 131*	*01/23/20 16:35*	*01/31/20 04:57*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*01/23/20 16:35*	*01/31/20 04:57*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*01/31/20 04:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1

Client Sample ID: AL45-2(0-2)-012220
Date Collected: 01/22/20 09:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-12
Matrix: Solid
Percent Solids: 82.8

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	☼	01/30/20 13:29	02/03/20 17:23	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2-Methylphenol	<200		200	62	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Acenaphthylene	**14**	**J**	39	5.1	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Anthracene	**16**	**J**	39	6.5	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Benzo[a]anthracene	**110**		39	5.2	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Benzo[a]pyrene	**180**		39	7.5	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Benzo[b]fluoranthene	**260**		39	8.4	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Benzo[g,h,i]perylene	**95**		39	12	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Benzo[k]fluoranthene	**73**		39	11	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Carbazole	<200		200	97	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Chrysene	**150**		39	11	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Dibenz(a,h)anthracene	**20**	**J**	39	7.5	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Dibenzofuran	<200		200	45	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Fluoranthene	**260**		39	7.2	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Fluorene	**15**	**J**	39	5.5	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Hexachloroethane	<200		200	59	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1

Client Sample ID: AL45-2(0-2)-012220

Date Collected: 01/22/20 09:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-12

Matrix: Solid
Percent Solids: 82.8

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	**86**		39	10	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Isophorone	<200		200	44	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Naphthalene	<39		39	6.0	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Phenanthrene	**92**		39	5.4	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Phenol	<200		200	86	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1
Pyrene	**200**		39	7.7	ug/Kg	☼	01/30/20 13:29	02/03/20 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*31 - 143*	*01/30/20 13:29*	*02/03/20 17:23*	*1*
2-Fluorobiphenyl	*98*		*43 - 145*	*01/30/20 13:29*	*02/03/20 17:23*	*1*
2-Fluorophenol	*102*		*31 - 166*	*01/30/20 13:29*	*02/03/20 17:23*	*1*
Nitrobenzene-d5	*92*		*37 - 147*	*01/30/20 13:29*	*02/03/20 17:23*	*1*
Phenol-d5	*81*		*30 - 153*	*01/30/20 13:29*	*02/03/20 17:23*	*1*
Terphenyl-d14	*118*		*42 - 157*	*01/30/20 13:29*	*02/03/20 17:23*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 17:30	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 17:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 17:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 17:30	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:30	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:30	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:30	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 17:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 17:30	1
Manganese	**3.4**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:30	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:30	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 17:30	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:30	1
Zinc	**0.074**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.079**		0.050	0.010	mg/L		01/31/20 15:46	02/03/20 15:21	1
Barium	**0.69**		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:21	1
Beryllium	**0.0099**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:21	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:21	1
Chromium	**0.20**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:21	1
Cobalt	**0.10**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:21	1
Copper	**0.28**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:21	1
Iron	**210**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:21	1
Lead	**0.37**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:21	1
Manganese	**2.5**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:21	1
Nickel	**0.27**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:21	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:21	1

Client Sample ID: AL45-2(0-2)-012220
Date Collected: 01/22/20 09:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-12
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.014	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:21	1
Zinc	0.97		0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J	1.2	0.23	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Arsenic	8.1		0.60	0.21	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Barium	79	B	0.60	0.068	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Beryllium	0.85		0.24	0.056	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Cadmium	0.77		0.12	0.022	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Calcium	50000	B	120	20	mg/Kg	☼	01/29/20 06:46	01/31/20 01:33	10
Chromium	19		0.60	0.30	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Cobalt	11		0.30	0.079	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Copper	41		0.60	0.17	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Iron	19000		12	6.2	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Lead	200		0.30	0.14	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Magnesium	25000		6.0	3.0	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Manganese	490		0.60	0.087	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Nickel	27		0.60	0.17	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Potassium	2000		30	11	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Silver	2.5		0.30	0.077	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Sodium	2200		60	8.9	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Vanadium	24		0.30	0.071	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	1
Zinc	220		1.2	0.53	mg/Kg	☼	01/29/20 06:46	01/29/20 19:29	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		02/04/20 10:25	02/05/20 09:29	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		02/04/20 10:25	02/05/20 10:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		20	6.5	ug/Kg	☼	01/31/20 14:45	02/04/20 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-1(0-2)-012220

Date Collected: 01/22/20 09:40
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-13

Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,1,2-Trichloroethane	<1.8		1.8	0.77	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,3-Dichloropropene, Total	<1.8		1.8	0.63	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Acetone	**47**		18	7.8	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Carbon disulfide	<4.5		4.5	0.93	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Chlorobenzene	<1.8		1.8	0.66	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Ethylbenzene	<1.8		1.8	0.86	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Methyl Ethyl Ketone	**9.8**		4.5	2.0	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Tetrachloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
trans-1,2-Dichloroethene	<1.8		1.8	0.80	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Vinyl chloride	<1.8		1.8	0.79	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Xylenes, Total	<3.6		3.6	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*	*01/23/20 16:35*	*01/31/20 05:23*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 131*	*01/23/20 16:35*	*01/31/20 05:23*	*1*
Dibromofluoromethane	*106*		*75 - 126*	*01/23/20 16:35*	*01/31/20 05:23*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/23/20 16:35*	*01/31/20 05:23*	*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	☼	01/30/20 13:29	02/03/20 17:51	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176787-1

Client Sample ID: AL45-1(0-2)-012220
Date Collected: 01/22/20 09:40
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-13
Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Methylphenol	<190		190	61	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Acenaphthylene	**16**	**J**	38	5.0	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Anthracene	**18**	**J**	38	6.4	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Benzo[a]anthracene	**110**		38	5.1	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Benzo[a]pyrene	**160**		38	7.4	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Benzo[b]fluoranthene	**220**		38	8.2	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Benzo[g,h,i]perylene	**68**		38	12	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Benzo[k]fluoranthene	**79**		38	11	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Carbazole	<190		190	95	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Chrysene	**150**		38	10	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Dibenz(a,h)anthracene	**21**	**J**	38	7.4	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Dibenzofuran	<190		190	45	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Fluoranthene	**280**		38	7.1	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Fluorene	**16**	**J**	38	5.3	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Hexachloroethane	<190		190	58	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1

Client Sample ID: AL45-1(0-2)-012220

Date Collected: 01/22/20 09:40
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-13

Matrix: Solid
Percent Solids: 86.9

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	**71**		38	9.9	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Isophorone	<190		190	43	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Naphthalene	<38		38	5.9	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Phenanthrene	**100**		38	5.3	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Phenol	<190		190	85	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Pyrene	**200**		38	7.6	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*31 - 143*	*01/30/20 13:29*	*02/03/20 17:51*	*1*
2-Fluorobiphenyl	*94*		*43 - 145*	*01/30/20 13:29*	*02/03/20 17:51*	*1*
2-Fluorophenol	*104*		*31 - 166*	*01/30/20 13:29*	*02/03/20 17:51*	*1*
Nitrobenzene-d5	*86*		*37 - 147*	*01/30/20 13:29*	*02/03/20 17:51*	*1*
Phenol-d5	*85*		*30 - 153*	*01/30/20 13:29*	*02/03/20 17:51*	*1*
Terphenyl-d14	*109*		*42 - 157*	*01/30/20 13:29*	*02/03/20 17:51*	*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		01/31/20 15:55	02/03/20 17:34	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 17:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 17:34	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 17:34	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Cobalt	**0.023**	**J**	0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 17:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 17:34	1
Manganese	**5.8**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 17:34	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Zinc	**0.11**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 17:34	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		01/31/20 15:46	02/03/20 15:25	1
Barium	**0.50**		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:25	1
Beryllium	**0.0080**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:25	1
Chromium	**0.16**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Cobalt	**0.076**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Copper	**0.23**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Iron	**170**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:25	1
Lead	**0.34**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:25	1
Manganese	**1.8**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Nickel	**0.22**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:25	1

Client Sample ID: AL45-1(0-2)-012220

Date Collected: 01/22/20 09:40
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-13

Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.011	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Zinc	0.67		0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J	1.1	0.21	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Arsenic	6.4		0.55	0.19	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Barium	81	B	0.55	0.062	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Beryllium	0.71		0.22	0.051	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Cadmium	0.32		0.11	0.020	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Calcium	49000	B	110	19	mg/Kg	☼	01/29/20 06:46	01/31/20 01:38	10
Chromium	16		0.55	0.27	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Cobalt	8.1		0.27	0.072	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Copper	20		0.55	0.15	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Iron	18000		11	5.7	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Lead	60		0.27	0.13	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Magnesium	24000		5.5	2.7	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Manganese	350		0.55	0.079	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Nickel	21		0.55	0.16	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Potassium	1900		27	9.7	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Selenium	0.47	J	0.55	0.32	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Silver	2.2		0.27	0.071	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Sodium	1900		55	8.1	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Vanadium	23		0.27	0.065	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Zinc	72		1.1	0.48	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	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		02/04/20 10:25	02/05/20 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22	F1 F2	18	6.0	ug/Kg	☼	01/31/20 14:45	02/04/20 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			01/29/20 16:43	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176787-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.5

500-176787 COC

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176787
Chain of Custody Number:
Page 1 of 5
Temperature °C of Cooler: 2.6, 5.7, 4.5, 5.1, 3.7

Client: Weston Solutions, Inc
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: [illegible] D. Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		AL64-3(0-2)-~~012220~~ 012220	1/22/20	0910	5	S	x	x	x	x	x					
2		AL64-2(0-2)-012220	↓	0900	5	↓	↓	↓	↓	↓	↓					
3		AL64-1(0-2)-012220	↓	0850	6	↓	↓	↓	↓	↓	↓					
4		Trip Blank	1/22/20	—	2	WT	x									

T. Wells 1-22-20

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 ☒ Disposal by Lab ☐ Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	1/22/20	1730	Timothy A. Wells	Weston	1-22-20	1730
Timothy A. Wells	Weston	1-23-20	1137	P. Neal	TA	1/23/20	1137
P. Neal	TA	1/23/20	1323	Shiri Scott	TA-CHI	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/5/2020

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176787
Chain of Custody Number:
Page 2 of 5
Temperature °C of Cooler:

Client: Weston Solutions, Inc.
Client Project #: 02056-016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Alex D + Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
5		AL45-4(6-6)-012220	1/22/20	1015	5	S	x	x	x	x	x					
6		AL45-4(6-12)-012220		1020	5											
7		AL45-4(6-12)-012220D		1020	5											
8		AL45-4-012220		1030	6	WT	x	x	x	x		NO pH				pH analysis not required
9		AL45-4-012220D		1030	6	WT	x	x	x	x						pH analysis not required
10		AL45-4(12-18)-012220		1035	5	S	x	x	x	x	x					
11		AL45-3(0-4)-012220		1005	5											
12		AL45-2(0-2)-012220		0950	5											
13		AL45-1(0-2)-012220		0940	5											
14		~~AL45~~ AL64-4(0-2)-012220		0930	5											

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
[signature]	Weston	1/22/20	1730	[signature]	Weston	1-22-20	1730
[signature]	Weston	1-23-20	1137	[signature]	TA	1/23/20	1137
[signature]	TA	1/23/20	1323	[signature]	TA-CHI	1/23/20	1323

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
NO pH for AL45-4-012220 and AL45-4-012220D

Lab Comments:

TAL-4124-500 (1209)

2/5/2020

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-176788-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
2/7/2020 1:15:32 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: AL45-8(0-4)-012220

Date Collected: 01/22/20 12:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-1

Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Acetone	**16**		15	6.6	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Carbon tetrachloride	<1.5	*	1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/23/20 16:35*	*01/31/20 20:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/23/20 16:35*	*01/31/20 20:48*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*01/23/20 16:35*	*01/31/20 20:48*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*01/31/20 20:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1

Client Sample ID: AL45-8(0-4)-012220
Date Collected: 01/22/20 12:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-1
Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2-Methylphenol	<190		190	59	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
4-Nitrophenol	<740	*	740	350	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Anthracene	<37		37	6.2	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Carbazole	<190		190	92	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Chrysene	<37		37	10	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Dibenzofuran	<190		190	43	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Fluoranthene	<37		37	6.8	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Fluorene	<37		37	5.2	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Hexachloroethane	<190		190	56	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1

Client Sample ID: AL45-8(0-4)-012220

Date Collected: 01/22/20 12:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-1

Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Isophorone	<190		190	41	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Naphthalene	<37		37	5.7	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Nitrobenzene	<37	*	37	9.2	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
N-Nitrosodiphenylamine	<190		190	43	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Phenanthrene	<37		37	5.1	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Phenol	<190		190	82	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1
Pyrene	<37		37	7.3	ug/Kg	☼	01/29/20 16:12	01/30/20 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*52*		*31 - 143*	*01/29/20 16:12*	*01/30/20 20:28*	*1*
2-Fluorobiphenyl	*102*		*43 - 145*	*01/29/20 16:12*	*01/30/20 20:28*	*1*
2-Fluorophenol	*127*		*31 - 166*	*01/29/20 16:12*	*01/30/20 20:28*	*1*
Nitrobenzene-d5	*86*		*37 - 147*	*01/29/20 16:12*	*01/30/20 20:28*	*1*
Phenol-d5	*99*		*30 - 153*	*01/29/20 16:12*	*01/30/20 20:28*	*1*
Terphenyl-d14	*132*		*42 - 157*	*01/29/20 16:12*	*01/30/20 20:28*	*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		01/31/20 15:51	02/03/20 14:36	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 14:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 14:36	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 14:36	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:36	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:36	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:36	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 14:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 14:36	1
Manganese	**0.78**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:36	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:36	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 14:36	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:36	1
Zinc	<0.50	*	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 14:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.047**	**J**	0.050	0.010	mg/L		01/31/20 15:49	02/03/20 13:09	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		01/31/20 15:49	02/03/20 13:09	1
Beryllium	**0.0046**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 13:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 13:09	1
Chromium	**0.11**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:09	1
Cobalt	**0.032**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:09	1
Copper	**0.15**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:09	1
Iron	**120**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 13:09	1
Lead	**0.051**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 13:09	1
Manganese	**0.44**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:09	1
Nickel	**0.12**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:09	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 13:09	1

Client Sample ID: AL45-8(0-4)-012220

Date Collected: 01/22/20 12:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-1

Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:09	1
Zinc	**0.36**	**J**	0.50	0.020	mg/L		01/31/20 15:49	02/03/20 13:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.50**	**J F1**	1.1	0.21	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Arsenic	**7.6**	**F1**	0.54	0.18	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Barium	**35**		0.54	0.061	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Beryllium	**0.75**		0.22	0.050	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Cadmium	**0.24**	**B**	0.11	0.019	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Calcium	**77000**	**B**	110	18	mg/Kg	☼	01/28/20 06:52	01/30/20 13:30	10
Chromium	**16**		0.54	0.27	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Cobalt	**11**		0.27	0.071	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Copper	**21**	**B**	0.54	0.15	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Iron	**19000**		11	5.6	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Lead	**13**		0.27	0.12	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Magnesium	**32000**		5.4	2.7	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Manganese	**430**		0.54	0.078	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Nickel	**30**		0.54	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Potassium	**2800**		27	9.5	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Selenium	**0.32**	**J F1**	0.54	0.32	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Silver	**2.4**		0.27	0.070	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Sodium	**690**		54	8.0	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Vanadium	**23**		0.27	0.064	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	1
Zinc	**59**	**B**	1.1	0.47	mg/Kg	☼	01/28/20 06:52	01/30/20 03:58	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		02/06/20 10:15	02/07/20 08:15	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		02/06/20 10:15	02/07/20 10:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15**	**J**	17	5.8	ug/Kg	☼	02/05/20 14:00	02/06/20 08:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.6**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-8(4-8)-012220

Date Collected: 01/22/20 12:10
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-2

Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Acetone	**41**		15	6.5	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Carbon tetrachloride	<1.5	*	1.5	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Chloroethane	<3.7		3.7	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Ethylbenzene	<1.5		1.5	0.71	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Methyl Ethyl Ketone	<3.7		3.7	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1
Xylenes, Total	<3.0		3.0	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/23/20 16:35*	*01/31/20 21:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 131*	*01/23/20 16:35*	*01/31/20 21:13*	*1*
Dibromofluoromethane	*107*		*75 - 126*	*01/23/20 16:35*	*01/31/20 21:13*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*01/31/20 21:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1

Client Sample ID: AL45-8(4-8)-012220
Date Collected: 01/22/20 12:10
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-2
Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2-Methylphenol	<190		190	60	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
4-Nitrophenol	<750	*	750	350	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Anthracene	<37		37	6.2	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Benzo[a]anthracene	**11**	**J**	37	5.0	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Carbazole	<190		190	93	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Chrysene	**13**	**J**	37	10	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Dibenzofuran	<190		190	44	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Fluorene	<37		37	5.2	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Hexachloroethane	<190		190	57	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1

Client Sample ID: AL45-8(4-8)-012220

Date Collected: 01/22/20 12:10
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-2

Matrix: Solid
Percent Solids: 86.7

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	<37		37	9.6	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Isophorone	<190		190	42	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Naphthalene	<37		37	5.7	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Nitrobenzene	<37	*	37	9.3	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Phenanthrene	**8.6**	**J**	37	5.2	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Phenol	<190		190	83	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1
Pyrene	**8.5**	**J**	37	7.4	ug/Kg	☼	01/29/20 16:12	01/30/20 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*31 - 143*	*01/29/20 16:12*	*01/30/20 21:28*	*1*
2-Fluorobiphenyl	*102*		*43 - 145*	*01/29/20 16:12*	*01/30/20 21:28*	*1*
2-Fluorophenol	*137*		*31 - 166*	*01/29/20 16:12*	*01/30/20 21:28*	*1*
Nitrobenzene-d5	*85*		*37 - 147*	*01/29/20 16:12*	*01/30/20 21:28*	*1*
Phenol-d5	*117*		*30 - 153*	*01/29/20 16:12*	*01/30/20 21:28*	*1*
Terphenyl-d14	*131*		*42 - 157*	*01/29/20 16:12*	*01/30/20 21:28*	*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		01/31/20 15:51	02/03/20 14:40	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 14:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 14:40	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 14:40	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:40	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:40	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:40	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 14:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:51	02/04/20 11:57	1
Manganese	**1.2**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:40	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:40	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 14:40	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:40	1
Zinc	<0.50	*	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 14:40	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		01/31/20 15:49	02/03/20 13:13	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		01/31/20 15:49	02/03/20 13:13	1
Beryllium	**0.0042**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 13:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 13:13	1
Chromium	**0.10**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:13	1
Cobalt	**0.035**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:13	1
Copper	**0.14**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:13	1
Iron	**110**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 13:13	1
Lead	**0.045**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 13:13	1
Manganese	**0.49**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:13	1
Nickel	**0.11**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:13	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 13:13	1

Client Sample ID: AL45-8(4-8)-012220

Date Collected: 01/22/20 12:10
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-2

Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:13	1
Zinc	**0.28**	**J**	0.50	0.020	mg/L		01/31/20 15:49	02/03/20 13:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.49**	**J**	1.1	0.22	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Arsenic	**5.7**		0.56	0.19	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Barium	**39**		0.56	0.064	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Beryllium	**0.78**		0.22	0.052	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Cadmium	**0.19**	**B**	0.11	0.020	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Calcium	**81000**	**B**	110	19	mg/Kg	☼	01/28/20 06:52	01/30/20 14:01	10
Chromium	**18**		0.56	0.28	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Cobalt	**12**		0.28	0.073	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Copper	**20**	**B**	0.56	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Iron	**22000**		110	58	mg/Kg	☼	01/28/20 06:52	01/30/20 14:01	10
Lead	**12**		0.28	0.13	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Magnesium	**44000**		56	28	mg/Kg	☼	01/28/20 06:52	01/30/20 14:01	10
Manganese	**380**		0.56	0.081	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Nickel	**28**		0.56	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Potassium	**3300**		28	9.9	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Selenium	**0.43**	**J**	0.56	0.33	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Silver	**2.7**		0.28	0.072	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Sodium	**220**		56	8.3	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Vanadium	**23**		0.28	0.066	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1
Zinc	**55**	**B**	1.1	0.49	mg/Kg	☼	01/28/20 06:52	01/30/20 04:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/06/20 10:15	02/07/20 08:17	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		02/06/20 10:15	02/07/20 10:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	18	6.0	ug/Kg	☼	02/05/20 14:00	02/06/20 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.5**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-7(0-4)-012220

Date Collected: 01/22/20 11:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-3

Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Acetone	**43**		15	6.6	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Carbon tetrachloride	<1.5	*	1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Methyl Ethyl Ketone	**4.9**		3.8	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/23/20 16:35*	*01/31/20 21:39*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/23/20 16:35*	*01/31/20 21:39*	*1*
Dibromofluoromethane	*102*		*75 - 126*	*01/23/20 16:35*	*01/31/20 21:39*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/23/20 16:35*	*01/31/20 21:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1

Client Sample ID: AL45-7(0-4)-012220
Date Collected: 01/22/20 11:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-3
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2-Methylnaphthalene	**13**	**J**	78	7.1	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2-Methylphenol	<190		190	62	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
2-Nitrophenol	<380		380	92	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
4-Nitrophenol	<780	*	780	370	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Acenaphthene	**38**		38	7.0	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Acenaphthylene	**43**		38	5.1	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Anthracene	**48**		38	6.5	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Benzo[a]anthracene	**60**		38	5.2	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Benzo[a]pyrene	**88**		38	7.5	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Benzo[b]fluoranthene	**140**		38	8.4	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Benzo[g,h,i]perylene	**40**		38	12	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Benzo[k]fluoranthene	**49**		38	11	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Carbazole	<190		190	97	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Chrysene	**87**		38	11	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Dibenzofuran	**68**	**J**	190	45	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Di-n-butyl phthalate	**75**	**J**	190	59	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Fluoranthene	**160**		38	7.2	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Fluorene	**13**	**J**	38	5.4	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Hexachloroethane	<190		190	59	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1

Client Sample ID: AL45-7(0-4)-012220

Date Collected: 01/22/20 11:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-3

Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**39**		38	10	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Isophorone	<190		190	44	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Naphthalene	**36**	**J**	38	6.0	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Nitrobenzene	<38	*	38	9.7	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Phenanthrene	**65**		38	5.4	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Phenol	<190		190	86	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1
Pyrene	**130**		38	7.7	ug/Kg	☼	01/29/20 16:12	02/01/20 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*31 - 143*	*01/29/20 16:12*	*02/01/20 03:23*	*1*
2-Fluorobiphenyl	*87*		*43 - 145*	*01/29/20 16:12*	*02/01/20 03:23*	*1*
2-Fluorophenol	*101*		*31 - 166*	*01/29/20 16:12*	*02/01/20 03:23*	*1*
Nitrobenzene-d5	*102*		*37 - 147*	*01/29/20 16:12*	*02/01/20 03:23*	*1*
Phenol-d5	*90*		*30 - 153*	*01/29/20 16:12*	*02/01/20 03:23*	*1*
Terphenyl-d14	*146*		*42 - 157*	*01/29/20 16:12*	*02/01/20 03:23*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:51	02/03/20 14:45	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 14:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 14:45	1
Cadmium	**0.0034**	**J**	0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 14:45	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:45	1
Cobalt	**0.033**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:45	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:45	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 14:45	1
Lead	**0.028**		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 14:45	1
Manganese	**7.1**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:45	1
Nickel	**0.024**	**J**	0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:45	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 14:45	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:45	1
Zinc	**0.22**	**J B ***	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.067**		0.050	0.010	mg/L		01/31/20 15:49	02/03/20 13:26	1
Barium	**0.62**		0.50	0.050	mg/L		01/31/20 15:49	02/03/20 13:26	1
Beryllium	**0.0073**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 13:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 13:26	1
Chromium	**0.18**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:26	1
Cobalt	**0.073**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:26	1
Copper	**0.27**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:26	1
Iron	**190**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 13:26	1
Lead	**0.59**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 13:26	1
Manganese	**1.6**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:26	1
Nickel	**0.21**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:26	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 13:26	1

Client Sample ID: AL45-7(0-4)-012220

Date Collected: 01/22/20 11:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-3

Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:26	1
Zinc	**0.72**		0.50	0.020	mg/L		01/31/20 15:49	02/03/20 13:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.38**	**J**	1.1	0.22	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Arsenic	**8.2**		0.57	0.19	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Barium	**61**		0.57	0.064	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Beryllium	**0.93**		0.23	0.053	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Cadmium	**0.25**	**B**	0.11	0.020	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Calcium	**22000**	**B**	11	1.9	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Chromium	**21**		0.57	0.28	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Cobalt	**13**		0.28	0.074	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Copper	**25**	**B**	0.57	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Iron	**21000**		11	5.9	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Lead	**33**		0.28	0.13	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Magnesium	**16000**		5.7	2.8	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Manganese	**480**		0.57	0.082	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Nickel	**33**		0.57	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Potassium	**2500**		28	10	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Silver	**3.4**		0.28	0.073	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Sodium	**200**		57	8.4	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Vanadium	**29**		0.28	0.067	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	1
Zinc	**77**	**B**	1.1	0.50	mg/Kg	☼	01/28/20 06:52	01/30/20 04:31	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		02/06/20 10:15	02/07/20 08:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.35**		0.20	0.20	ug/L		02/06/20 10:15	02/07/20 10:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**37**		19	6.3	ug/Kg	☼	02/05/20 14:00	02/06/20 08:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-6(0-5)-012220

Date Collected: 01/22/20 11:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-4

Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Acetone	**33**		17	7.3	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Carbon tetrachloride	<1.7	*	1.7	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Chloroethane	<4.2		4.2	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/23/20 16:35*	*01/31/20 22:04*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*01/23/20 16:35*	*01/31/20 22:04*	*1*
Dibromofluoromethane	*106*		*75 - 126*	*01/23/20 16:35*	*01/31/20 22:04*	*1*
Toluene-d8 (Surr)	*88*		*75 - 124*	*01/23/20 16:35*	*01/31/20 22:04*	*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	☼	01/29/20 16:12	01/31/20 23:53	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1

Client Sample ID: AL45-6(0-5)-012220
Date Collected: 01/22/20 11:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-4
Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
4-Nitrophenol	<810	*	810	380	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Anthracene	<40		40	6.7	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Benzo[a]pyrene	**19**	**J**	40	7.8	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Benzo[b]fluoranthene	**11**	**J**	40	8.7	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Benzo[g,h,i]perylene	**16**	**J**	40	13	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Carbazole	<200		200	100	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Chrysene	**16**	**J**	40	11	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Di-n-butyl phthalate	**76**	**J**	200	61	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Fluoranthene	**33**	**J**	40	7.4	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Fluorene	<40		40	5.6	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Hexachloroethane	<200		200	61	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1

Client Sample ID: AL45-6(0-5)-012220

Date Collected: 01/22/20 11:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-4

Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**10**	**J**	40	10	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Isophorone	<200		200	45	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Naphthalene	<40		40	6.2	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Nitrobenzene	<40	*	40	10	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Phenanthrene	**17**	**J**	40	5.6	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Phenol	<200		200	89	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1
Pyrene	**41**		40	8.0	ug/Kg	☼	01/29/20 16:12	01/31/20 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*31 - 143*	*01/29/20 16:12*	*01/31/20 23:53*	*1*
2-Fluorobiphenyl	*86*		*43 - 145*	*01/29/20 16:12*	*01/31/20 23:53*	*1*
2-Fluorophenol	*101*		*31 - 166*	*01/29/20 16:12*	*01/31/20 23:53*	*1*
Nitrobenzene-d5	*108*		*37 - 147*	*01/29/20 16:12*	*01/31/20 23:53*	*1*
Phenol-d5	*91*		*30 - 153*	*01/29/20 16:12*	*01/31/20 23:53*	*1*
Terphenyl-d14	*106*		*42 - 157*	*01/29/20 16:12*	*01/31/20 23:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:51	02/03/20 14:49	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 14:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 14:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 14:49	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:49	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:49	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:49	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 14:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 14:49	1
Manganese	**0.90**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:49	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:49	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 14:49	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:49	1
Zinc	<0.50	*	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 14:49	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		01/31/20 15:49	02/03/20 13:30	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		01/31/20 15:49	02/03/20 13:30	1
Beryllium	**0.0063**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 13:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 13:30	1
Chromium	**0.15**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:30	1
Cobalt	**0.041**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:30	1
Copper	**0.20**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:30	1
Iron	**160**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 13:30	1
Lead	**0.066**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 13:30	1
Manganese	**0.99**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:30	1
Nickel	**0.17**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:30	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 13:30	1

Client Sample ID: AL45-6(0-5)-012220

Date Collected: 01/22/20 11:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-4

Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:30	1
Zinc	**0.44**	**J**	0.50	0.020	mg/L		01/31/20 15:49	02/03/20 13:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.60**	**J**	1.2	0.24	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Arsenic	**7.7**		0.61	0.21	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Barium	**65**		0.61	0.069	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Beryllium	**1.0**		0.24	0.057	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Cadmium	**0.30**	**B**	0.12	0.022	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Calcium	**64000**	**B**	120	21	mg/Kg	☼	01/28/20 06:52	01/30/20 14:05	10
Chromium	**23**		0.61	0.30	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Cobalt	**12**		0.30	0.080	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Copper	**24**	**B**	0.61	0.17	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Iron	**22000**		12	6.3	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Lead	**14**		0.30	0.14	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Magnesium	**26000**		6.1	3.0	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Manganese	**380**		0.61	0.088	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Nickel	**36**		0.61	0.18	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Potassium	**3800**		30	11	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Selenium	<0.61		0.61	0.36	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Silver	**3.2**		0.30	0.079	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Sodium	**710**		61	9.0	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Thallium	<0.61		0.61	0.30	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Vanadium	**29**		0.30	0.072	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	1
Zinc	**75**	**B**	1.2	0.53	mg/Kg	☼	01/28/20 06:52	01/30/20 04:35	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		02/06/20 10:15	02/07/20 08:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**		0.20	0.20	ug/L		02/06/20 10:15	02/07/20 10:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**27**		20	6.5	ug/Kg	☼	02/05/20 14:00	02/06/20 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-6(5-10)-012220

Date Collected: 01/22/20 11:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-5

Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Acetone	**38**		17	7.3	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Carbon tetrachloride	<1.7	*	1.7	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Chloroethane	<4.2		4.2	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Methyl Ethyl Ketone	<4.2		4.2	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*	*01/23/20 16:35*	*01/31/20 22:29*	*1*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*01/23/20 16:35*	*01/31/20 22:29*	*1*
Dibromofluoromethane	*111*		*75 - 126*	*01/23/20 16:35*	*01/31/20 22:29*	*1*
Toluene-d8 (Surr)	*87*		*75 - 124*	*01/23/20 16:35*	*01/31/20 22:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1

Client Sample ID: AL45-6(5-10)-012220
Date Collected: 01/22/20 11:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-5
Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2-Methylnaphthalene	<81		81	7.3	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
4-Nitrophenol	<810	*	810	380	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Anthracene	<40		40	6.7	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Carbazole	<200		200	100	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Chrysene	<40		40	11	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Fluorene	<40		40	5.6	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Hexachloroethane	<200		200	61	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1

Client Sample ID: AL45-6(5-10)-012220

Date Collected: 01/22/20 11:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-5

Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Isophorone	<200		200	45	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Naphthalene	<40		40	6.1	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Nitrobenzene	<40	*	40	10	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Phenol	<200		200	89	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1
Pyrene	<40		40	7.9	ug/Kg	☼	01/29/20 16:12	01/30/20 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*31 - 143*	*01/29/20 16:12*	*01/30/20 22:27*	*1*
2-Fluorobiphenyl	*87*		*43 - 145*	*01/29/20 16:12*	*01/30/20 22:27*	*1*
2-Fluorophenol	*117*		*31 - 166*	*01/29/20 16:12*	*01/30/20 22:27*	*1*
Nitrobenzene-d5	*74*		*37 - 147*	*01/29/20 16:12*	*01/30/20 22:27*	*1*
Phenol-d5	*96*		*30 - 153*	*01/29/20 16:12*	*01/30/20 22:27*	*1*
Terphenyl-d14	*126*		*42 - 157*	*01/29/20 16:12*	*01/30/20 22:27*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:51	02/03/20 14:54	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 14:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 14:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 14:54	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:54	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:54	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:54	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 14:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 14:54	1
Manganese	**0.84**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:54	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:54	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 14:54	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:54	1
Zinc	**0.19**	**J B ***	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 14:54	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		01/31/20 15:49	02/03/20 13:34	1
Barium	**0.54**		0.50	0.050	mg/L		01/31/20 15:49	02/03/20 13:34	1
Beryllium	**0.0078**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 13:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 13:34	1
Chromium	**0.19**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:34	1
Cobalt	**0.043**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:34	1
Copper	**0.25**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:34	1
Iron	**190**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 13:34	1
Lead	**0.090**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 13:34	1
Manganese	**0.79**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:34	1
Nickel	**0.16**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:34	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 13:34	1

Client Sample ID: AL45-6(5-10)-012220

Date Collected: 01/22/20 11:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-5

Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:34	1
Zinc	**0.58**		0.50	0.020	mg/L		01/31/20 15:49	02/03/20 13:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.43**	**J**	1.1	0.22	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Arsenic	**5.4**		0.56	0.19	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Barium	**57**		0.56	0.063	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Beryllium	**0.80**		0.22	0.052	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Cadmium	**0.22**	**B**	0.11	0.020	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Calcium	**62000**	**B**	110	19	mg/Kg	☼	01/28/20 06:52	01/30/20 14:09	10
Chromium	**19**		0.56	0.27	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Cobalt	**10**		0.28	0.073	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Copper	**20**	**B**	0.56	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Iron	**15000**		11	5.8	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Lead	**14**		0.28	0.13	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Magnesium	**24000**		5.6	2.8	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Manganese	**330**		0.56	0.081	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Nickel	**24**		0.56	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Potassium	**3100**		28	9.8	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Selenium	**0.39**	**J**	0.56	0.33	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Silver	**3.2**		0.28	0.072	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Sodium	**510**		56	8.2	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Vanadium	**27**		0.28	0.066	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	1
Zinc	**68**	**B**	1.1	0.49	mg/Kg	☼	01/28/20 06:52	01/30/20 04:39	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		02/06/20 10:15	02/07/20 08:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.41**		0.20	0.20	ug/L		02/06/20 10:15	02/07/20 10:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**13**	**J**	19	6.4	ug/Kg	☼	02/05/20 14:00	02/06/20 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-6(5-10)-012220D

Date Collected: 01/22/20 11:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-6

Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Acetone	**17**		16	6.9	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*	*01/23/20 16:35*	*02/02/20 11:28*	*1*
4-Bromofluorobenzene (Surr)	*103*		*75 - 131*	*01/23/20 16:35*	*02/02/20 11:28*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*01/23/20 16:35*	*02/02/20 11:28*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*02/02/20 11:28*	*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	☼	01/29/20 16:12	01/30/20 22:57	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1

Client Sample ID: AL45-6(5-10)-012220D
Lab Sample ID: 500-176788-6
Date Collected: 01/22/20 11:35
Matrix: Solid
Date Received: 01/23/20 13:23
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2-Methylphenol	<200		200	62	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
4-Nitrophenol	<790	*	790	370	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Anthracene	<39		39	6.5	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Carbazole	<200		200	97	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Chrysene	<39		39	11	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Fluorene	<39		39	5.5	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Hexachloroethane	<200		200	59	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1

Client Sample ID: AL45-6(5-10)-012220D

Date Collected: 01/22/20 11:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-6

Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Isophorone	<200		200	44	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Naphthalene	<39		39	6.0	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Nitrobenzene	<39	*	39	9.7	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Pentachlorophenol	<790		790	620	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Phenol	<200		200	87	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1
Pyrene	<39		39	7.7	ug/Kg	☼	01/29/20 16:12	01/30/20 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*31 - 143*	*01/29/20 16:12*	*01/30/20 22:57*	*1*
2-Fluorobiphenyl	*88*		*43 - 145*	*01/29/20 16:12*	*01/30/20 22:57*	*1*
2-Fluorophenol	*107*		*31 - 166*	*01/29/20 16:12*	*01/30/20 22:57*	*1*
Nitrobenzene-d5	*73*		*37 - 147*	*01/29/20 16:12*	*01/30/20 22:57*	*1*
Phenol-d5	*90*		*30 - 153*	*01/29/20 16:12*	*01/30/20 22:57*	*1*
Terphenyl-d14	*122*		*42 - 157*	*01/29/20 16:12*	*01/30/20 22:57*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:51	02/03/20 14:59	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 14:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 14:59	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 14:59	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:59	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:59	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:59	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 14:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:51	02/04/20 12:02	1
Manganese	**0.85**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:59	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:59	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 14:59	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 14:59	1
Zinc	<0.50	*	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.057**		0.050	0.010	mg/L		01/31/20 15:49	02/03/20 13:39	1
Barium	**0.54**		0.50	0.050	mg/L		01/31/20 15:49	02/03/20 13:39	1
Beryllium	**0.0076**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 13:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 13:39	1
Chromium	**0.18**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:39	1
Cobalt	**0.043**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:39	1
Copper	**0.24**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:39	1
Iron	**180**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 13:39	1
Lead	**0.089**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 13:39	1
Manganese	**0.77**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:39	1
Nickel	**0.16**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:39	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 13:39	1

Client Sample ID: AL45-6(5-10)-012220D

Date Collected: 01/22/20 11:35
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-6

Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:39	1
Zinc	**0.55**		0.50	0.020	mg/L		01/31/20 15:49	02/03/20 13:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.52**	**J**	1.2	0.24	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Arsenic	**4.9**		0.61	0.21	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Barium	**53**		0.61	0.069	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Beryllium	**0.76**		0.24	0.057	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Cadmium	**0.23**	**B**	0.12	0.022	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Calcium	**84000**	**B**	120	21	mg/Kg	☼	01/28/20 06:52	01/30/20 14:14	10
Chromium	**19**		0.61	0.30	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Cobalt	**7.6**		0.30	0.079	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Copper	**18**		0.61	0.17	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Iron	**16000**		12	6.3	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Lead	**11**		0.30	0.14	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Magnesium	**30000**		6.1	3.0	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Manganese	**320**		0.61	0.088	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Nickel	**23**		0.61	0.18	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Potassium	**2900**		30	11	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Selenium	<0.61		0.61	0.36	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Silver	**3.0**		0.30	0.078	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Sodium	**660**		61	9.0	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Thallium	<0.61		0.61	0.30	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Vanadium	**23**		0.30	0.071	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	1
Zinc	**64**	**B**	1.2	0.53	mg/Kg	☼	01/28/20 06:52	01/30/20 04:43	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		02/06/20 10:15	02/07/20 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.42**		0.20	0.20	ug/L		02/06/20 10:15	02/07/20 10:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**	**J**	20	6.6	ug/Kg	☼	02/05/20 14:00	02/06/20 08:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-6(10-13)-012220

Date Collected: 01/22/20 11:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-7

Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
1,1,2-Trichloroethane	<1.8		1.8	0.76	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
1,3-Dichloropropene, Total	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Acetone	**33**		18	7.7	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Carbon disulfide	<4.4		4.4	0.92	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Ethylbenzene	<1.8		1.8	0.85	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Methyl Ethyl Ketone	<4.4		4.4	2.0	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
trans-1,2-Dichloroethene	<1.8		1.8	0.79	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Vinyl chloride	<1.8		1.8	0.79	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1
Xylenes, Total	<3.5		3.5	0.57	ug/Kg	☼	01/23/20 16:35	02/02/20 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*	*01/23/20 16:35*	*02/02/20 11:54*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/23/20 16:35*	*02/02/20 11:54*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*01/23/20 16:35*	*02/02/20 11:54*	*1*
Toluene-d8 (Surr)	*88*		*75 - 124*	*01/23/20 16:35*	*02/02/20 11:54*	*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	☼	01/29/20 16:12	01/30/20 23:26	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1

Client Sample ID: AL45-6(10-13)-012220
Date Collected: 01/22/20 11:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-7
Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2-Methylphenol	<200		200	63	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
4-Nitrophenol	<790	*	790	370	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Anthracene	<39		39	6.5	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Benzo[a]anthracene	**9.4**	**J**	39	5.3	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Carbazole	<200		200	98	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Chrysene	<39		39	11	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Fluorene	<39		39	5.5	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Hexachloroethane	<200		200	59	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1

Client Sample ID: AL45-6(10-13)-012220

Date Collected: 01/22/20 11:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-7

Matrix: Solid
Percent Solids: 82.0

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	<39		39	10	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Isophorone	<200		200	44	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Naphthalene	<39		39	6.0	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Nitrobenzene	<39	*	39	9.8	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Phenol	<200		200	87	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1
Pyrene	**9.4**	**J**	39	7.8	ug/Kg	☼	01/29/20 16:12	01/30/20 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*31 - 143*	*01/29/20 16:12*	*01/30/20 23:26*	*1*
2-Fluorobiphenyl	*97*		*43 - 145*	*01/29/20 16:12*	*01/30/20 23:26*	*1*
2-Fluorophenol	*129*		*31 - 166*	*01/29/20 16:12*	*01/30/20 23:26*	*1*
Nitrobenzene-d5	*80*		*37 - 147*	*01/29/20 16:12*	*01/30/20 23:26*	*1*
Phenol-d5	*104*		*30 - 153*	*01/29/20 16:12*	*01/30/20 23:26*	*1*
Terphenyl-d14	*127*		*42 - 157*	*01/29/20 16:12*	*01/30/20 23:26*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:51	02/03/20 15:03	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 15:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 15:03	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 15:03	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:03	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:03	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:03	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 15:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 15:03	1
Manganese	**1.2**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:03	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:03	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 15:03	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:03	1
Zinc	**0.085**	**J B ***	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.053**		0.050	0.010	mg/L		01/31/20 15:49	02/03/20 13:43	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		01/31/20 15:49	02/03/20 13:43	1
Beryllium	**0.0060**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 13:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 13:43	1
Chromium	**0.15**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:43	1
Cobalt	**0.033**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:43	1
Copper	**0.19**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:43	1
Iron	**140**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 13:43	1
Lead	**0.075**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 13:43	1
Manganese	**0.56**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:43	1
Nickel	**0.12**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:43	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 13:43	1

Client Sample ID: AL45-6(10-13)-012220

Date Collected: 01/22/20 11:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-7

Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:43	1
Zinc	**0.53**		0.50	0.020	mg/L		01/31/20 15:49	02/03/20 13:43	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.42**	**J**	1.2	0.23	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Arsenic	**6.4**		0.60	0.21	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Barium	**50**		0.60	0.069	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Beryllium	**0.82**		0.24	0.056	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Cadmium	**0.24**	**B**	0.12	0.022	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Calcium	**67000**	**B**	120	20	mg/Kg	☼	01/28/20 06:52	01/30/20 14:18	10
Chromium	**19**		0.60	0.30	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Cobalt	**7.8**		0.30	0.079	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Copper	**22**	**B**	0.60	0.17	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Iron	**17000**		12	6.3	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Lead	**13**		0.30	0.14	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Magnesium	**27000**		6.0	3.0	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Manganese	**290**		0.60	0.087	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Nickel	**25**		0.60	0.18	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Potassium	**3100**		30	11	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Selenium	**0.43**	**J**	0.60	0.35	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Silver	**3.0**		0.30	0.078	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Sodium	**300**		60	8.9	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Vanadium	**26**		0.30	0.071	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	1
Zinc	**71**	**B**	1.2	0.53	mg/Kg	☼	01/28/20 06:52	01/30/20 04:47	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		02/06/20 10:15	02/07/20 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.28**		0.20	0.20	ug/L		02/06/20 10:15	02/07/20 10:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**		19	6.2	ug/Kg	☼	02/05/20 14:00	02/06/20 08:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-5(0-5)-012220

Date Collected: 01/22/20 11:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-8

Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
1,1,2-Trichloroethane	<1.7		1.7	0.73	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Acetone	**11**	**J**	17	7.4	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Carbon disulfide	<4.2		4.2	0.88	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Chloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Chloroform	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Ethylbenzene	<1.7		1.7	0.81	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
methyl isobutyl ketone	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
trans-1,2-Dichloroethene	<1.7		1.7	0.75	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Vinyl chloride	<1.7		1.7	0.75	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	01/23/20 16:35	02/02/20 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*	*01/23/20 16:35*	*02/02/20 12:20*	*1*
4-Bromofluorobenzene (Surr)	*98*		*75 - 131*	*01/23/20 16:35*	*02/02/20 12:20*	*1*
Dibromofluoromethane	*104*		*75 - 126*	*01/23/20 16:35*	*02/02/20 12:20*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/23/20 16:35*	*02/02/20 12:20*	*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	☼	01/29/20 16:12	01/31/20 04:50	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176788-1

Client Sample ID: AL45-5(0-5)-012220
Date Collected: 01/22/20 11:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-8
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2-Methylphenol	<190		190	61	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
4-Nitrophenol	<770	*	770	360	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Anthracene	**14**	**J**	38	6.4	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Benzo[a]anthracene	**75**		38	5.1	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Benzo[a]pyrene	**120**		38	7.4	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Benzo[b]fluoranthene	**150**		38	8.3	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Benzo[g,h,i]perylene	**48**		38	12	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Benzo[k]fluoranthene	**57**		38	11	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Carbazole	<190		190	96	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Chrysene	**98**		38	10	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Dibenz(a,h)anthracene	**11**	**J**	38	7.4	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Dibenzofuran	<190		190	45	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Fluoranthene	**150**		38	7.1	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Fluorene	<38		38	5.4	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Hexachloroethane	<190		190	58	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1

Client Sample ID: AL45-5(0-5)-012220

Date Collected: 01/22/20 11:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-8

Matrix: Solid
Percent Solids: 82.8

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	**44**		38	9.9	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Isophorone	<190		190	43	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Naphthalene	<38		38	5.9	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Nitrobenzene	<38	*	38	9.5	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Phenanthrene	**58**		38	5.3	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Phenol	<190		190	85	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1
Pyrene	**170**		38	7.6	ug/Kg	☼	01/29/20 16:12	01/31/20 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*31 - 143*	*01/29/20 16:12*	*01/31/20 04:50*	*1*
2-Fluorobiphenyl	*81*		*43 - 145*	*01/29/20 16:12*	*01/31/20 04:50*	*1*
2-Fluorophenol	*112*		*31 - 166*	*01/29/20 16:12*	*01/31/20 04:50*	*1*
Nitrobenzene-d5	*64*		*37 - 147*	*01/29/20 16:12*	*01/31/20 04:50*	*1*
Phenol-d5	*97*		*30 - 153*	*01/29/20 16:12*	*01/31/20 04:50*	*1*
Terphenyl-d14	*149*		*42 - 157*	*01/29/20 16:12*	*01/31/20 04:50*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:51	02/03/20 15:08	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 15:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 15:08	1
Cadmium	**0.0049**	**J**	0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 15:08	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:08	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:08	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:08	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 15:08	1
Lead	**0.0099**		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 15:08	1
Manganese	**2.4**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:08	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:08	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 15:08	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:08	1
Zinc	**0.19**	**J B ***	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.047**	**J**	0.050	0.010	mg/L		01/31/20 15:49	02/03/20 13:47	1
Barium	**0.56**		0.50	0.050	mg/L		01/31/20 15:49	02/03/20 13:47	1
Beryllium	**0.0073**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 13:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 13:47	1
Chromium	**0.19**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:47	1
Cobalt	**0.048**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:47	1
Copper	**0.24**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:47	1
Iron	**180**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 13:47	1
Lead	**0.33**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 13:47	1
Manganese	**1.1**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:47	1
Nickel	**0.17**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:47	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 13:47	1

Client Sample ID: AL45-5(0-5)-012220

Date Collected: 01/22/20 11:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-8

Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:47	1
Zinc	**0.69**		0.50	0.020	mg/L		01/31/20 15:49	02/03/20 13:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.41**	**J**	1.1	0.22	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Arsenic	**6.8**		0.57	0.20	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Barium	**53**		0.57	0.065	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Beryllium	**0.84**		0.23	0.054	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Cadmium	**0.31**	**B**	0.11	0.021	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Calcium	**69000**	**B**	110	19	mg/Kg	☼	01/28/20 06:52	01/30/20 14:23	10
Chromium	**18**		0.57	0.28	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Cobalt	**14**		0.29	0.075	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Copper	**24**	**B**	0.57	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Iron	**20000**		11	6.0	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Lead	**16**		0.29	0.13	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Magnesium	**28000**		5.7	2.8	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Manganese	**550**		0.57	0.083	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Nickel	**39**		0.57	0.17	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Potassium	**3000**		29	10	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Selenium	**0.42**	**J**	0.57	0.34	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Silver	**2.7**		0.29	0.074	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Sodium	**1000**		57	8.5	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Thallium	<0.57		0.57	0.29	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Vanadium	**25**		0.29	0.068	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	1
Zinc	**73**	**B**	1.1	0.50	mg/Kg	☼	01/28/20 06:52	01/30/20 05:00	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		02/06/20 10:15	02/07/20 08:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.38**		0.20	0.20	ug/L		02/06/20 10:15	02/07/20 10:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**20**		19	6.3	ug/Kg	☼	02/05/20 14:00	02/06/20 08:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.8**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-5(5-10)-012220

Date Collected: 01/22/20 11:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-9

Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.56	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
1,1,2-Trichloroethane	<1.8		1.8	0.75	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
1,1-Dichloroethane	<1.8		1.8	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
1,1-Dichloroethene	<1.8		1.8	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
1,2-Dichloropropane	<1.8		1.8	0.45	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
1,3-Dichloropropene, Total	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Acetone	**27**		18	7.6	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Bromoform	<1.8		1.8	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Dibromochloromethane	<1.8		1.8	0.57	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Ethylbenzene	<1.8		1.8	0.84	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Methyl Ethyl Ketone	<4.4		4.4	1.9	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Methyl tert-butyl ether	<1.8		1.8	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Toluene	<1.8		1.8	0.44	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Trichloroethene	<1.8		1.8	0.59	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Vinyl chloride	<1.8		1.8	0.78	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	01/23/20 16:35	02/02/20 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*	*01/23/20 16:35*	*02/02/20 12:45*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 131*	*01/23/20 16:35*	*02/02/20 12:45*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*01/23/20 16:35*	*02/02/20 12:45*	*1*
Toluene-d8 (Surr)	*88*		*75 - 124*	*01/23/20 16:35*	*02/02/20 12:45*	*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	☼	01/29/20 16:12	01/30/20 23:56	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1

Client Sample ID: AL45-5(5-10)-012220

Date Collected: 01/22/20 11:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-9

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	<390		390	91	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
4-Nitrophenol	<800	*	800	380	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Anthracene	<39		39	6.6	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Benzo[b]fluoranthene	<39		39	8.6	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Carbazole	<200		200	99	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Chrysene	**20**	**J**	39	11	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Fluoranthene	**7.4**	**J**	39	7.4	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Fluorene	<39		39	5.6	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Hexachloroethane	<200		200	60	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1

Client Sample ID: AL45-5(5-10)-012220

Date Collected: 01/22/20 11:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-9

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	<39		39	10	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Isophorone	<200		200	45	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Naphthalene	<39		39	6.1	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Nitrobenzene	<39	*	39	9.9	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
N-Nitrosodi-n-propylamine	<80		80	48	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Phenol	<200		200	88	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1
Pyrene	**12**	**J**	39	7.9	ug/Kg	☼	01/29/20 16:12	01/30/20 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*31 - 143*	*01/29/20 16:12*	*01/30/20 23:56*	*1*
2-Fluorobiphenyl	*99*		*43 - 145*	*01/29/20 16:12*	*01/30/20 23:56*	*1*
2-Fluorophenol	*132*		*31 - 166*	*01/29/20 16:12*	*01/30/20 23:56*	*1*
Nitrobenzene-d5	*79*		*37 - 147*	*01/29/20 16:12*	*01/30/20 23:56*	*1*
Phenol-d5	*111*		*30 - 153*	*01/29/20 16:12*	*01/30/20 23:56*	*1*
Terphenyl-d14	*133*		*42 - 157*	*01/29/20 16:12*	*01/30/20 23:56*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:51	02/03/20 15:21	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 15:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 15:21	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 15:21	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:21	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:21	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:21	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 15:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 15:21	1
Manganese	**1.5**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:21	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:21	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 15:21	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:21	1
Zinc	<0.50	*	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.031**	**J**	0.050	0.010	mg/L		01/31/20 15:49	02/03/20 13:51	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		01/31/20 15:49	02/03/20 13:51	1
Beryllium	**0.0061**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 13:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 13:51	1
Chromium	**0.15**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:51	1
Cobalt	**0.045**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:51	1
Copper	**0.19**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:51	1
Iron	**150**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 13:51	1
Lead	**0.068**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 13:51	1
Manganese	**0.67**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:51	1
Nickel	**0.14**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:51	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 13:51	1

Client Sample ID: AL45-5(5-10)-012220

Date Collected: 01/22/20 11:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-9

Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:51	1
Zinc	**0.62**		0.50	0.020	mg/L		01/31/20 15:49	02/03/20 13:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.55**	**J**	1.2	0.24	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Arsenic	**4.2**		0.61	0.21	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Barium	**43**		0.61	0.069	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Beryllium	**0.80**		0.24	0.057	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Cadmium	**0.21**	**B**	0.12	0.022	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Calcium	**70000**	**B**	120	21	mg/Kg	☼	01/28/20 06:52	01/30/20 14:27	10
Chromium	**18**		0.61	0.30	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Cobalt	**9.8**		0.30	0.079	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Copper	**22**	**B**	0.61	0.17	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Iron	**17000**		12	6.3	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Lead	**13**		0.30	0.14	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Magnesium	**31000**		6.1	3.0	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Manganese	**370**		0.61	0.088	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Nickel	**27**		0.61	0.18	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Potassium	**3000**		30	11	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Selenium	**0.53**	**J**	0.61	0.36	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Silver	**2.9**		0.30	0.078	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Sodium	**620**		61	9.0	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Thallium	<0.61		0.61	0.30	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Vanadium	**24**		0.30	0.072	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	1
Zinc	**65**	**B**	1.2	0.53	mg/Kg	☼	01/28/20 06:52	01/30/20 05:04	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		02/06/20 10:15	02/07/20 08:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.26**		0.20	0.20	ug/L		02/06/20 10:15	02/07/20 10:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15**	**J**	19	6.3	ug/Kg	☼	02/05/20 14:00	02/06/20 08:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-5(10-15)-012220

Date Collected: 01/22/20 11:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-10

Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.54	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
1,1-Dichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Acetone	**40**		17	7.3	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Chloroethane	<4.2		4.2	1.2	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
cis-1,3-Dichloropropene	<1.7		1.7	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Methylene Chloride	<4.2		4.2	1.7	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1
Xylenes, Total	<3.4		3.4	0.54	ug/Kg	☼	01/23/20 16:35	02/02/20 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/23/20 16:35*	*02/02/20 13:11*	*1*
4-Bromofluorobenzene (Surr)	*107*		*75 - 131*	*01/23/20 16:35*	*02/02/20 13:11*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*01/23/20 16:35*	*02/02/20 13:11*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*02/02/20 13:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1

Client Sample ID: AL45-5(10-15)-012220
Date Collected: 01/22/20 11:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-10
Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2-Methylphenol	<190		190	60	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
4-Nitrophenol	<760	*	760	360	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Anthracene	<37		37	6.3	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Benzo[a]anthracene	**9.3**	**J**	37	5.1	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Carbazole	<190		190	94	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Chrysene	<37		37	10	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Dibenzofuran	<190		190	44	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Fluorene	<37		37	5.3	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Hexachloroethane	<190		190	57	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1

Client Sample ID: AL45-5(10-15)-012220
Date Collected: 01/22/20 11:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-10
Matrix: Solid
Percent Solids: 85.6

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	<37		37	9.7	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Isophorone	<190		190	42	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Naphthalene	<37		37	5.8	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Nitrobenzene	<37	*	37	9.4	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Phenanthrene	**7.3**	**J**	37	5.2	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Phenol	<190		190	83	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1
Pyrene	**8.4**	**J**	37	7.5	ug/Kg	☼	01/29/20 16:12	01/31/20 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*31 - 143*	*01/29/20 16:12*	*01/31/20 00:26*	*1*
2-Fluorobiphenyl	*98*		*43 - 145*	*01/29/20 16:12*	*01/31/20 00:26*	*1*
2-Fluorophenol	*133*		*31 - 166*	*01/29/20 16:12*	*01/31/20 00:26*	*1*
Nitrobenzene-d5	*77*		*37 - 147*	*01/29/20 16:12*	*01/31/20 00:26*	*1*
Phenol-d5	*113*		*30 - 153*	*01/29/20 16:12*	*01/31/20 00:26*	*1*
Terphenyl-d14	*140*		*42 - 157*	*01/29/20 16:12*	*01/31/20 00:26*	*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		01/31/20 15:51	02/03/20 15:26	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 15:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 15:26	1
Cadmium	**0.0037**	**J**	0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 15:26	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:26	1
Cobalt	**0.079**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:26	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:26	1
Iron	**0.57**		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 15:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 15:26	1
Manganese	**4.5**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:26	1
Nickel	**0.13**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:26	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 15:26	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:26	1
Zinc	**0.22**	**J B ***	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 15:26	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		01/31/20 15:49	02/03/20 13:56	1
Barium	<0.50		0.50	0.050	mg/L		01/31/20 15:49	02/03/20 13:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 13:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 13:56	1
Chromium	**0.011**	**J**	0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:56	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:56	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:56	1
Iron	**6.4**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 13:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 13:56	1
Manganese	**0.077**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:56	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:56	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 13:56	1

Client Sample ID: AL45-5(10-15)-012220

Date Collected: 01/22/20 11:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-10

Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 13:56	1
Zinc	**0.027**	**J**	0.50	0.020	mg/L		01/31/20 15:49	02/03/20 13:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.43**	**J**	1.1	0.22	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Arsenic	**8.7**		0.56	0.19	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Barium	**34**		0.56	0.064	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Beryllium	**0.62**		0.22	0.052	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Cadmium	**0.27**	**B**	0.11	0.020	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Calcium	**73000**	**B**	110	19	mg/Kg	☼	01/28/20 06:52	01/30/20 14:40	10
Chromium	**15**		0.56	0.28	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Cobalt	**10**		0.28	0.074	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Copper	**19**	**B**	0.56	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Iron	**14000**		11	5.8	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Lead	**12**		0.28	0.13	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Magnesium	**31000**		5.6	2.8	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Manganese	**440**		0.56	0.081	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Nickel	**26**		0.56	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Potassium	**2300**		28	9.9	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Selenium	**0.48**	**J**	0.56	0.33	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Silver	**2.2**		0.28	0.072	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Sodium	**260**		56	8.3	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Vanadium	**20**		0.28	0.066	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1
Zinc	**59**	**B**	1.1	0.49	mg/Kg	☼	01/28/20 06:52	01/30/20 05:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/06/20 10:15	02/07/20 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20	F1	0.20	0.20	ug/L		02/06/20 10:15	02/07/20 10:22	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**12**	**J**	19	6.4	ug/Kg	☼	02/05/20 14:00	02/06/20 08:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-9(0-5)-012220
Lab Sample ID: 500-176788-19

Date Collected: 01/22/20 12:15
Matrix: Solid
Date Received: 01/23/20 13:23
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
1,2-Dichloroethane	<4.0		4.0	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Acetone	**23**		16	7.0	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Ethylbenzene	<1.6		1.6	0.77	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	01/23/20 16:35	02/02/20 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*01/23/20 16:35*	*02/02/20 17:03*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/23/20 16:35*	*02/02/20 17:03*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*01/23/20 16:35*	*02/02/20 17:03*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*02/02/20 17:03*	*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	☼	01/29/20 16:12	02/01/20 01:53	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176788-1

Client Sample ID: AL45-9(0-5)-012220
Date Collected: 01/22/20 12:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-19
Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2-Methylphenol	<190		190	61	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
4-Nitrophenol	<770	*	770	360	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Anthracene	<38		38	6.4	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Carbazole	<190		190	95	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Chrysene	<38		38	10	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Dibenzofuran	<190		190	45	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Di-n-butyl phthalate	**74**	**J**	190	58	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Fluoranthene	**21**	**J**	38	7.1	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Fluorene	<38		38	5.3	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Hexachloroethane	<190		190	58	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1

Client Sample ID: AL45-9(0-5)-012220

Date Collected: 01/22/20 12:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-19

Matrix: Solid
Percent Solids: 84.3

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	<38		38	9.9	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Isophorone	<190		190	43	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Naphthalene	<38		38	5.9	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Nitrobenzene	<38	*	38	9.5	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
N-Nitrosodi-n-propylamine	<77		77	46	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Phenanthrene	**13**	**J**	38	5.3	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Phenol	<190		190	85	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1
Pyrene	**32**	**J**	38	7.6	ug/Kg	☼	01/29/20 16:12	02/01/20 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*31 - 143*	*01/29/20 16:12*	*02/01/20 01:53*	*1*
2-Fluorobiphenyl	*81*		*43 - 145*	*01/29/20 16:12*	*02/01/20 01:53*	*1*
2-Fluorophenol	*92*		*31 - 166*	*01/29/20 16:12*	*02/01/20 01:53*	*1*
Nitrobenzene-d5	*90*		*37 - 147*	*01/29/20 16:12*	*02/01/20 01:53*	*1*
Phenol-d5	*82*		*30 - 153*	*01/29/20 16:12*	*02/01/20 01:53*	*1*
Terphenyl-d14	*125*		*42 - 157*	*01/29/20 16:12*	*02/01/20 01:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:51	02/03/20 16:02	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 16:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 16:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 16:02	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:02	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:02	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:02	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 16:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:51	02/04/20 12:06	1
Manganese	**0.95**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:02	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:02	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 16:02	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 16:02	1
Zinc	<0.50	*	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.045**	**J**	0.050	0.010	mg/L		01/31/20 15:49	02/03/20 14:43	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		01/31/20 15:49	02/03/20 14:43	1
Beryllium	**0.0057**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 14:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 14:43	1
Chromium	**0.13**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:43	1
Cobalt	**0.037**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:43	1
Copper	**0.17**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:43	1
Iron	**130**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 14:43	1
Lead	**0.052**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 14:43	1
Manganese	**0.59**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:43	1
Nickel	**0.14**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:43	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 14:43	1

Client Sample ID: AL45-9(0-5)-012220

Date Collected: 01/22/20 12:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-19

Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:43	1
Zinc	**0.47**	**J**	0.50	0.020	mg/L		01/31/20 15:49	02/03/20 14:43	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.37**	**J**	1.1	0.22	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Arsenic	**6.4**		0.57	0.19	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Barium	**41**		0.57	0.065	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Beryllium	**0.76**		0.23	0.053	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Cadmium	**0.25**	**B**	0.11	0.020	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Calcium	**71000**	**B**	110	19	mg/Kg	☼	01/28/20 06:52	01/30/20 15:02	10
Chromium	**17**		0.57	0.28	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Cobalt	**15**		0.28	0.074	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Copper	**23**	**B**	0.57	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Iron	**17000**		11	5.9	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Lead	**12**		0.28	0.13	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Magnesium	**29000**		5.7	2.8	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Manganese	**400**		0.57	0.082	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Nickel	**34**		0.57	0.16	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Potassium	**2800**		28	10	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Silver	**2.8**		0.28	0.073	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Sodium	**610**		57	8.4	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Thallium	**0.28**	**J**	0.57	0.28	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Vanadium	**22**		0.28	0.067	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	1
Zinc	**63**	**B**	1.1	0.50	mg/Kg	☼	01/28/20 06:52	01/30/20 05:53	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		02/06/20 10:15	02/07/20 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**		0.20	0.20	ug/L		02/06/20 10:15	02/07/20 10:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15**	**J**	18	6.1	ug/Kg	☼	02/05/20 14:00	02/06/20 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			01/29/20 21:10	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176788-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-176788 COC

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176788
Chain of Custody Number:
Page 3 of 5
Temperature °C of Cooler: 2.6, 5.7, 4.5, 5.1, 3.7

Client: Weston Solutions, Inc.
Client Project #: 02056.016.004
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: [illegible] + Tayer O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		AL45-8(0-4)-012220	1/22/21	1205	5	S	x	x	x	x	x					
2		AL45-8(4-8)-012220		1210	5											
3		~~AL45(~~ AL45-7(0-4)-012220		1150	5											
4		AL45-6(0-5)-012220		1130	5											
5		AL45-6(5-10)-012220		1135	5											
6		AL45-6(5-10)-012220D		1135	5											
7		AL45-6(10-13)-012220		1145	5											
8		AL45-5(0-5)-012220		1100	5											
9		AL45-5(5-10)-012220		1105	5											
10		AL45-5(10-15)-012220		1115	5											

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 ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	1/22/20	1730	Timothy H. Wells	Weston	1-22-20	1730
Timothy H. Wells	Weston	1-23-20	1137	[signature]	TA	1/23/20	1137
[signature]	TA	1/23/20	1323	[signature]	TA CH	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/7/2020

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: Andris Slesors
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176788
Chain of Custody Number:
Page 4 of 5
Temperature °C of Cooler:

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Lee + Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL metals	TCLP/SPLP metals	PAH					Comments
11		VC50-2(0-5)-012220	1/22/20	1350	5	S		x	x	x	x	x					
12		VC50-1(0-5)-012220		1345	5												
13		AL44-6(0-2)-012220		1330	5												
14		AL44-5(0-3)-012220		1315	5												
15		AL44-5(3-7)-012220		1320	5												
16		AL44-5(3-7)-012220D		1320	5												
17		AL44-4(0-3)-012220		1300	6												
18		AL44-4(3-7)-012220		1305	5												
19		AL45-9(0-5)-012220		1215	5												
		7-Coolers 1-22-20															

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
1	Lee	Weston	1/22/20	1730	Timothy Wells	Weston	1-22-20	1730
2	Timothy A. Wells	Weston	1-23-20	1137	[illegible]	TA	1/23/20	1137
3	[illegible]	TA	1/23/20	1323	[illegible] Scott TA-CHI	TA	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500-(1209)

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-176790-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
2/6/2020 4:36:29 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: AL45-12(0-6)-012220

Date Collected: 01/22/20 15:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-4

Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Acetone	**7.3**	**J**	15	6.7	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Carbon disulfide	<3.9		3.9	0.80	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Chloroethane	<3.9		3.9	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Chloroform	<1.5		1.5	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
cis-1,3-Dichloropropene	<1.5		1.5	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
methyl isobutyl ketone	<3.9		3.9	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Styrene	<1.5		1.5	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Tetrachloroethene	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 134*	*01/23/20 16:35*	*01/31/20 08:19*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 131*	*01/23/20 16:35*	*01/31/20 08:19*	*1*
Dibromofluoromethane	*91*		*75 - 126*	*01/23/20 16:35*	*01/31/20 08:19*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*01/23/20 16:35*	*01/31/20 08:19*	*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	☼	01/31/20 07:50	02/01/20 01:36	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2,2'-oxybis[1-chloropropane]	<190	*	190	44	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1

Client Sample ID: AL45-12(0-6)-012220
Lab Sample ID: 500-176790-4
Date Collected: 01/22/20 15:15
Matrix: Solid
Date Received: 01/23/20 13:23
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2-Methylnaphthalene	<76		76	7.0	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2-Methylphenol	<190		190	61	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Anthracene	<38	*	38	6.3	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Carbazole	<190		190	95	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Chrysene	<38		38	10	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Dibenzofuran	<190		190	44	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Fluoranthene	<38		38	7.0	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Fluorene	<38		38	5.3	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Hexachloroethane	<190		190	58	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Client Sample ID: AL45-12(0-6)-012220
Date Collected: 01/22/20 15:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-4
Matrix: Solid
Percent Solids: 84.3

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	<38		38	9.8	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Isophorone	<190		190	43	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Naphthalene	<38		38	5.8	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
N-Nitrosodiphenylamine	<190	*	190	45	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Phenol	<190		190	84	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1
Pyrene	<38		38	7.5	ug/Kg	☼	01/31/20 07:50	02/01/20 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*31 - 143*	*01/31/20 07:50*	*02/01/20 01:36*	*1*
2-Fluorobiphenyl	*81*		*43 - 145*	*01/31/20 07:50*	*02/01/20 01:36*	*1*
2-Fluorophenol	*105*		*31 - 166*	*01/31/20 07:50*	*02/01/20 01:36*	*1*
Nitrobenzene-d5	*73*		*37 - 147*	*01/31/20 07:50*	*02/01/20 01:36*	*1*
Phenol-d5	*90*		*30 - 153*	*01/31/20 07:50*	*02/01/20 01:36*	*1*
Terphenyl-d14	*129*		*42 - 157*	*01/31/20 07:50*	*02/01/20 01:36*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 18:06	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 18:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 18:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 18:06	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:06	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:06	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:06	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 18:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/04/20 11:27	1
Manganese	**0.91**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:06	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:06	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 18:06	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:06	1
Zinc	**0.027**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 18:06	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		01/31/20 15:46	02/03/20 15:45	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:45	1
Beryllium	**0.0067**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:45	1
Chromium	**0.13**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:45	1
Cobalt	**0.034**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:45	1
Copper	**0.16**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:45	1
Iron	**130**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:45	1
Lead	**0.061**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:45	1
Manganese	**0.60**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:45	1
Nickel	**0.14**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:45	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:45	1

Client Sample ID: AL45-12(0-6)-012220

Date Collected: 01/22/20 15:15
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-4

Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.011	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:45	1
Zinc	0.33	J	0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:45	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.65	J	1.1	0.21	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Arsenic	6.3		0.55	0.19	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Barium	46		0.55	0.063	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Beryllium	0.83		0.22	0.052	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Cadmium	0.18	B	0.11	0.020	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Calcium	79000	B	110	19	mg/Kg	☼	01/27/20 07:36	01/30/20 15:59	10
Chromium	18		0.55	0.27	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Cobalt	14		0.28	0.072	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Copper	21		0.55	0.15	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Iron	17000		11	5.7	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Lead	13		0.28	0.13	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Magnesium	31000		5.5	2.7	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Manganese	450		0.55	0.080	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Nickel	33		0.55	0.16	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Potassium	3300		28	9.8	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Silver	2.6		0.28	0.071	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Sodium	350		55	8.2	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Vanadium	25		0.28	0.065	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	1
Zinc	51		1.1	0.48	mg/Kg	☼	01/27/20 07:36	01/30/20 03:20	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		02/04/20 10:25	02/05/20 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	6.7	J	20	6.5	ug/Kg	☼	02/04/20 13:55	02/05/20 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			01/29/20 16:43	1

Client Sample ID: AL45-11(0-5)-012220

Date Collected: 01/22/20 15:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-5

Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Acetone	**23**		15	6.6	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1
Xylenes, Total	<3.0		3.0	0.49	ug/Kg	☼	01/23/20 16:35	01/31/20 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/23/20 16:35*	*01/31/20 06:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*01/23/20 16:35*	*01/31/20 06:14*	*1*
Dibromofluoromethane	*105*		*75 - 126*	*01/23/20 16:35*	*01/31/20 06:14*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*01/31/20 06:14*	*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	☼	01/31/20 07:50	02/01/20 02:05	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2,2'-oxybis[1-chloropropane]	<200	*	200	46	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1

Client Sample ID: AL45-11(0-5)-012220
Date Collected: 01/22/20 15:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-5
Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2-Methylphenol	<200		200	63	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Anthracene	<39	*	39	6.6	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Carbazole	<200		200	98	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Chrysene	<39		39	11	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Fluorene	<39		39	5.5	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Hexachloroethane	<200		200	60	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Client Sample ID: AL45-11(0-5)-012220
Date Collected: 01/22/20 15:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-5
Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Isophorone	<200		200	44	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Naphthalene	<39		39	6.1	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
N-Nitrosodiphenylamine	<200	*	200	46	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Phenol	<200		200	87	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1
Pyrene	<39		39	7.8	ug/Kg	☼	01/31/20 07:50	02/01/20 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*31 - 143*	*01/31/20 07:50*	*02/01/20 02:05*	*1*
2-Fluorobiphenyl	*85*		*43 - 145*	*01/31/20 07:50*	*02/01/20 02:05*	*1*
2-Fluorophenol	*123*		*31 - 166*	*01/31/20 07:50*	*02/01/20 02:05*	*1*
Nitrobenzene-d5	*80*		*37 - 147*	*01/31/20 07:50*	*02/01/20 02:05*	*1*
Phenol-d5	*102*		*30 - 153*	*01/31/20 07:50*	*02/01/20 02:05*	*1*
Terphenyl-d14	*131*		*42 - 157*	*01/31/20 07:50*	*02/01/20 02:05*	*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		01/31/20 15:55	02/03/20 18:11	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 18:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 18:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 18:11	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:11	1
Cobalt	**0.034**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:11	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:11	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 18:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 18:11	1
Manganese	**13**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:11	1
Nickel	**0.026**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:11	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 18:11	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:11	1
Zinc	**0.20**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.069**		0.050	0.010	mg/L		01/31/20 15:46	02/03/20 15:49	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:49	1
Beryllium	**0.0069**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:49	1
Chromium	**0.13**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:49	1
Cobalt	**0.070**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:49	1
Copper	**0.19**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:49	1
Iron	**170**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:49	1
Lead	**0.085**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:49	1
Manganese	**1.8**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:49	1
Nickel	**0.21**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:49	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:49	1

Client Sample ID: AL45-11(0-5)-012220

Date Collected: 01/22/20 15:05
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-5

Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.012	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:49	1
Zinc	0.45	J	0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	1.2	0.24	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Arsenic	9.5		0.62	0.21	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Barium	64		0.62	0.070	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Beryllium	1.2		0.25	0.058	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Cadmium	0.15	B	0.12	0.022	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Calcium	1300	B	12	2.1	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Chromium	26		0.62	0.31	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Cobalt	18		0.31	0.081	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Copper	31		0.62	0.17	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Iron	27000		12	6.4	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Lead	19		0.31	0.14	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Magnesium	5000		6.2	3.1	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Manganese	430		0.62	0.089	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Nickel	44		0.62	0.18	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Potassium	2800		31	11	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Selenium	<0.62		0.62	0.36	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Silver	3.9		0.31	0.080	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Sodium	1700		62	9.1	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Vanadium	35		0.31	0.073	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	1
Zinc	79		1.2	0.54	mg/Kg	☼	01/27/20 07:36	01/30/20 03:24	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		02/04/20 10:25	02/05/20 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.28		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	25		20	6.7	ug/Kg	☼	02/04/20 13:55	02/05/20 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			01/29/20 20:55	1

Client Sample ID: AL45-10(0-4)-012220

Date Collected: 01/22/20 15:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-6

Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
1,1,2-Trichloroethane	<1.9		1.9	0.80	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
1,1-Dichloroethane	<1.9		1.9	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
1,1-Dichloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
1,2-Dichloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
1,2-Dichloropropane	<1.9		1.9	0.48	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
1,3-Dichloropropene, Total	<1.9		1.9	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Acetone	**33**		19	8.1	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Benzene	<1.9		1.9	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Bromoform	<1.9		1.9	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Bromomethane	<4.6		4.6	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Carbon disulfide	<4.6		4.6	0.96	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Carbon tetrachloride	<1.9		1.9	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Chlorobenzene	<1.9		1.9	0.68	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Chloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Chloroform	<1.9		1.9	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Chloromethane	<4.6		4.6	1.9	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
cis-1,2-Dichloroethene	<1.9		1.9	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
cis-1,3-Dichloropropene	<1.9		1.9	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Ethylbenzene	<1.9		1.9	0.89	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Methyl Ethyl Ketone	**5.7**		4.6	2.1	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
methyl isobutyl ketone	<4.6		4.6	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Methyl tert-butyl ether	<1.9		1.9	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Methylene Chloride	<4.6		4.6	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Styrene	<1.9		1.9	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Tetrachloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
trans-1,2-Dichloroethene	<1.9		1.9	0.82	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
trans-1,3-Dichloropropene	<1.9		1.9	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Trichloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Vinyl chloride	<1.9		1.9	0.82	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1
Xylenes, Total	<3.7		3.7	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*01/23/20 16:35*	*01/31/20 06:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*01/23/20 16:35*	*01/31/20 06:39*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*01/23/20 16:35*	*01/31/20 06:39*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*01/31/20 06:39*	*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	☼	01/31/20 07:50	02/01/20 02:35	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2,2'-oxybis[1-chloropropane]	<190	*	190	44	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Client Sample ID: AL45-10(0-4)-012220
Date Collected: 01/22/20 15:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-6
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2-Methylnaphthalene	<77		77	7.1	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2-Methylphenol	<190		190	62	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Anthracene	<38	*	38	6.4	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Carbazole	<190		190	96	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Chrysene	<38		38	10	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Dibenzofuran	<190		190	45	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Fluorene	<38		38	5.4	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Hexachloroethane	<190		190	58	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Client Sample ID: AL45-10(0-4)-012220
Date Collected: 01/22/20 15:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-6
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Isophorone	<190		190	43	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Naphthalene	<38		38	5.9	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
N-Nitrosodiphenylamine	<190	*	190	45	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Phenol	<190		190	85	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1
Pyrene	<38		38	7.6	ug/Kg	☼	01/31/20 07:50	02/01/20 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*31 - 143*	*01/31/20 07:50*	*02/01/20 02:35*	*1*
2-Fluorobiphenyl	*82*		*43 - 145*	*01/31/20 07:50*	*02/01/20 02:35*	*1*
2-Fluorophenol	*106*		*31 - 166*	*01/31/20 07:50*	*02/01/20 02:35*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*01/31/20 07:50*	*02/01/20 02:35*	*1*
Phenol-d5	*86*		*30 - 153*	*01/31/20 07:50*	*02/01/20 02:35*	*1*
Terphenyl-d14	*116*		*42 - 157*	*01/31/20 07:50*	*02/01/20 02:35*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 18:15	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 18:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 18:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 18:15	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:15	1
Cobalt	**0.018**	**J**	0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:15	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:15	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 18:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 18:15	1
Manganese	**6.8**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:15	1
Nickel	**0.025**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:15	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 18:15	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 18:15	1
Zinc	**0.25**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.019**	**J**	0.050	0.010	mg/L		01/31/20 15:46	02/03/20 15:53	1
Barium	**0.17**	**J**	0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:53	1
Chromium	**0.051**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:53	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:53	1
Copper	**0.058**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:53	1
Iron	**49**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:53	1
Lead	**0.028**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:53	1
Manganese	**0.47**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:53	1
Nickel	**0.056**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:53	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:53	1

Client Sample ID: AL45-10(0-4)-012220

Date Collected: 01/22/20 15:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176790-6

Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:53	1
Zinc	**0.11**	**J**	0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.56**	**J**	1.2	0.23	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Arsenic	**5.9**		0.59	0.20	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Barium	**58**		0.59	0.067	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Beryllium	**0.90**		0.23	0.055	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Cadmium	**0.23**	**B**	0.12	0.021	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Calcium	**79000**	**B**	120	20	mg/Kg	☼	01/27/20 07:36	01/30/20 16:03	10
Chromium	**20**		0.59	0.29	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Cobalt	**13**		0.29	0.077	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Copper	**22**		0.59	0.16	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Iron	**18000**		12	6.1	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Lead	**12**		0.29	0.14	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Magnesium	**30000**		5.9	2.9	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Manganese	**380**		0.59	0.085	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Nickel	**32**		0.59	0.17	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Potassium	**3100**		29	10	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Silver	**2.8**		0.29	0.076	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Sodium	**160**		59	8.7	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Vanadium	**26**		0.29	0.069	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1
Zinc	**50**		1.2	0.51	mg/Kg	☼	01/27/20 07:36	01/30/20 03:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**12**	**J**	20	6.6	ug/Kg	☼	02/04/20 13:55	02/05/20 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			01/29/20 20:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176790-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
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)

TestAmerica

THE LEADER IN ENVIRONMENTA

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-176790 COC

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176790

Chain of Custody Number:

Page 5 of 5

Temperature °C of Cooler: 2.6, 5.7, 4.5, 5.1, 3.7

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D + Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		AL44-3(0-2)-012220	1/22/20	1525	6	S	x	x	x	x	x					
2		AL44-2(0-3)-012220		1530	6											
3		AL44-1(0-2)-012220		1535	6											
4		AL45-12(0-6)-012220		1515	5											
5		AL45-11(0-5)-012220		1505	6											
6		AL45-10(0-4)-012220		1500	6											
* 7		SB-1(0-2)-012220		1445	5											SB-1(0-2)-012220
8		AL44-9(0-2)-012220		1430	5											
9		AL44-8(0-2)-012220		1420	5											
10		AL44-7(0-2)-012220		1415	5											

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
[signature]	Weston	1/22/20	1730	Timothy A. Walls	Weston	1-22-20	1730
Timothy A. Walls	Weston	1-23-20	1137	P. Neal	TA	1/23/20	1137
P. Neal	TA	1/23/20	1323	Sheri Scott	TA CHI	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124 500 (1209)

2/6/2020

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Super Quick Lube - 481 S. IL 83 (ISGS Site No. 3079V2-46)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

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

Latitude: 42.33455 (Decimal Degrees) Longitude: - 88.03008 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

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

Estimated Volume of debris (cu. Yd.): 984

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33455 Longitude: - 88.03008

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 SL-2, SL-4 THROUGH SL-6, SQ-1, AND SQ-2 WERE SAMPLED ALONG THE SUPER QUICK LUBE ROW. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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 REPORTS - JOB IDs: 1739973, 500-176711-1, and 500-2211221-1. ALSO SEE FIGURE 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

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

Summary Table of Super Quick Lube (ISGS Site No. 3079V-46)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SL-2	SL-4	SL-4	SL-4	SL-5	SL-6	SQ-1	SQ-1	SQ-2	SQ-2
Sample Date		12/2/2016	12/2/2016	12/2/2016	12/2/2016	12/2/2016	12/2/2016	1/28/2020	8/18/2022	1/21/2020	1/21/2020
Field Sample ID		SL-2(0-5)-120216	SL-4(0-5)-120216	SL-4(5-10)-120216	SL-4(10-15)-120216	SL-5(0-5)-120216	SL-6(0-5)-120216	SQ-1(0-5)-012820	SQ-1(5-8)-081822	SQ-2(0-5)-012120	SQ-2(0-5)-012120D
ISGS Site No.		3079-46	3079-46	3079-46	3079-46	3079-46	3079-46	3079V-46	3079V-46	3079V-46	3079V-46
Laboratory pH	<6.25, >9.0	8.0	8.4	8.2	8.4	8.7	8.6	8.2	8.4	8.1	8.1
VOCs		**No Exceedances**									
SVOCs (mg/kg)											
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	9 J	ND	ND	5 J	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	6 J	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND	ND	0.027 J	0.051
Anthracene	12000	ND	ND	5 J	5 J	ND	ND	ND	ND	0.0077 J	0.017 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	15 J	ND	ND	ND	32	ND	ND	0.025 J	0.032 J	0.082
Benzo(a)pyrene	0.09 / 1.3 / 2.1	17 J	ND	ND	ND	38	ND	ND	0.041	0.076	0.19
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	40 J	ND	ND	7 J	50	6 J	ND	0.054	0.08	0.22
Benzo(g,h,i)perylene	---	18 J	6 J	11 J	14 J	36	6 J	ND	0.027 J	0.048	0.12
Benzo(k)fluoranthene	9	10 J	ND	ND	ND	29	ND	ND	0.028 J	0.028 J	0.072
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	34	ND	17 J	22	49	6 J	ND	0.056	0.045	0.11
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	ND	ND	9 J	ND	ND	ND	0.015 J	0.033 J
Dibenzofuran	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	38	ND	4 J	6 J	72	12 J	ND	0.076	0.058	0.084
Fluorene	560	ND	ND	ND	5 J	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	9J	ND	ND	ND	29	ND	ND	0.015 J	0.044	0.11
Naphthalene	1.8	13 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	24	ND	7 J	15 J	9 J	8 J	ND	0.041	0.01 J	0.013 J
Pyrene	2300	35	ND	9 J	10 J	63	10 J	ND	0.073	0.032 J	0.069
Pesticides (mg/kg)											
4,4-DDD	3	---	---	---	---	---	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---	---	---	---	---	---
PCBs (mg/kg)											
Aroclor-1248	1	---	---	---	---	---	---	---	---	---	---

Summary Table of Super Quick Lube (ISGS Site No. 3079V-46)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SL-2	SL-4	SL-4	SL-4	SL-5	SL-6	SQ-1	SQ-1	SQ-2	SQ-2
Sample Date		12/2/2016	12/2/2016	12/2/2016	12/2/2016	12/2/2016	12/2/2016	1/28/2020	8/18/2022	1/21/2020	1/21/2020
Field Sample ID		SL-2(0-5)-120216	SL-4(0-5)-120216	SL-4(5-10)-120216	SL-4(10-15)-120216	SL-5(0-5)-120216	SL-6(0-5)-120216	SQ-1(0-5)-012820	SQ-1(5-8)-081822	SQ-2(0-5)-012120	SQ-2(0-5)-012120D
ISGS Site No.		3079-46	3079-46	3079-46	3079-46	3079-46	3079-46	3079V-46	3079V-46	3079V-46	3079V-46
Total Inorganics (mg/kg)											
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	1.25 J	1.72 J	1.13 J	1.93 J	1.42 J	1.46 J	0.5 J	0.35 J	ND	ND
Arsenic, Total	11.3 / 13.0	7.55	4.26	5.08	6.73	8.46	8.49	6.1	5.1	5.8	5.1
Barium, Total	1500	144	38.2	49.3	56.5	83.2	42.3	39	28	89	96
Beryllium, Total	22	1.22	0.635	0.792	0.826	1.1	0.775	0.73	0.55	1	0.93
Cadmium, Total	5.2	0.0923 J	0.214 J	0.0567 J	0.131 J	ND	0.178 J	0.22 J	0.058 J	0.25	0.28
Calcium, Total	---	5910	96300	81000	78900	50100	79100	70000 J	73000 B	7900 B	4900 B
Chromium, Total	21	31.7	18.1	21.5	22.7	29.3	20.2	17	12	22	21
Cobalt, Total	20	12.8	5.19	9.51	11	11.4	8.98	10	9.6	11	9.3
Copper, Total	2900	32.4	17.3	22.9	23.8	28.4	24.7	21	21	23	22
Cyanide, Total	0.2	---	---	---	---	---	---	---	---	---	---
Iron, Total	15000 / 15900	27400	18200	21500	22700	28900	23800	16000 J	14000	20000	18000
Lead, Total	107	41.5	12.5	15.3	15.3	19.5	16.4	11	11	20	20
Magnesium, Total	325000	7030	50000	42700	42100	32100	42600	30000 B	31000 B	6800	4500
Manganese, Total	630 / 636	441	534	528	522	418	531	360	360	340	250
Mercury, Total	0.89	0.0253 J	0.0146 J	0.0116 J	0.0121 J	0.014 J	0.0155 J	0.018	0.017	0.029	0.026 J
Nickel, Total	100	32.3	16.9	24.5	27	29.6	23.9	29	25	30	26
Potassium, Total	---	3940	3390	4580	4770	5050	4470	3100	1500	2900	3000
Selenium, Total	1.3	2.41	0.834 J	1.53 J	1.55 J	1.46 J	1.64 J	ND	ND	0.6	0.48 J
Silver, Total	4.4	ND	ND	ND	ND	ND	ND	2.5	0.19 J	3.8	3.5
Sodium, Total	---	306	268	316	310	680	413	350	210	2800	3200
Thallium, Total	2.6	3.03 J	2.26 J	3.09	2.53 J	3.56	2.91	ND	ND	0.3 J	ND
Vanadium, Total	550	49.6	26.4	29.9	30.6	42.6	30.1	21	14	30	28
Zinc, Total	5100	88.3	42.1	47.2	53.7	58.7	57.8	59	52 J	73	73
TCLP Metals (mg/l)											
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	0.014 J	ND	ND
Barium, TCLP	2	0.458	0.336	0.342	0.65	0.48	0.267	0.37 J	0.4 J	0.37 J	0.34 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.0012 J	0.0032 J	0.0013 J	0.00056 J	0.00066 J	0.0011 J	ND	ND	ND	ND
Chromium, TCLP	0.1	0.0039 J	0.0035 J	0.0026 J	0.0027 J	0.0054 J	0.002 J	ND	ND	ND	ND
Cobalt, TCLP	1	0.0488	0.0375	0.0066	0.0303	0.0103	0.0058	ND	ND	0.021 J	0.015 J
Copper, TCLP	0.65	0.007 J	0.0257	0.0101	0.0141	0.0097 J	0.0061 J	ND	ND	ND	ND
Iron, TCLP	5	0.132 J	ND	ND	ND	1.54	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	0.0071 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	6.7	4.58	1.74	2.63	3.91	1.54	0.66	1.2	6.6	5.7
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.0248	0.0435	0.0088 J	0.0554	0.0121	0.0081 J	ND	ND	0.012 J	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	0.0117 J	0.0094 J	ND	ND	0.01 J	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.0683	0.0326	0.0076 J	0.0353	0.0099 J	0.0106 J	ND	ND	ND	0.43 J

Summary Table of Super Quick Lube (ISGS Site No. 3079V-46)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SL-2	SL-4	SL-4	SL-4	SL-5	SL-6	SQ-1	SQ-1	SQ-2	SQ-2
Sample Date		12/2/2016	12/2/2016	12/2/2016	12/2/2016	12/2/2016	12/2/2016	1/28/2020	8/18/2022	1/21/2020	1/21/2020
Field Sample ID		SL-2(0-5)-120216	SL-4(0-5)-120216	SL-4(5-10)-120216	SL-4(10-15)-120216	SL-5(0-5)-120216	SL-6(0-5)-120216	SQ-1(0-5)-012820	SQ-1(5-8)-081822	SQ-2(0-5)-012120	SQ-2(0-5)-012120D
ISGS Site No.		3079-46	3079-46	3079-46	3079-46	3079-46	3079-46	3079V-46	3079V-46	3079V-46	3079V-46
SPLP Metals (mg/l)											
Arsenic, SPLP	0.05	0.0099 J	ND	0.0129 J	ND	0.027	0.0138 J	0.076	0.037 J	0.069	0.093
Barium, SPLP	2	0.085	0.0778	0.0841	0.0392	0.31	0.127	0.45 J	0.32 J	0.71	0.94
Beryllium, SPLP	0.004	0.0011 J	0.001 J	0.0012 J	ND	0.0045 J	0.0021 J	0.0071	0.0048	0.011	0.014
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	0.002 J	0.0024 J
Chromium, SPLP	0.1	0.0166	0.0247	0.0294	0.0047 J	0.112	0.0504	0.15	0.11	0.23	0.31
Cobalt, SPLP	1	0.0034 J	0.004 J	0.0086	ND	0.0203	0.0099	0.048	0.047	0.088	0.12
Copper, SPLP	0.65	0.0192	0.0202	0.0286	ND	0.0741	0.043	0.2	0.17	0.21	0.29
Iron, SPLP	5	8.04	18.2	19.7	1.8	86.4	39.1	160	100	200	280
Lead, SPLP	0.0075	0.0099 J	0.0121 J	0.017	ND	0.0433	0.0249	0.097	0.046	0.11	0.15
Manganese, SPLP	0.15	0.148	0.0725	0.12	0.0236	0.311	0.13	0.63	0.49	2.6	4.3
Mercury, SPLP	0.002	0.00024 J	0.00023 J	0.00016 J	0.000064 J	0.00036 J	0.00039 J	ND	ND	0.00059	0.00063 J
Nickel, SPLP	0.1	0.0108	0.0165	0.0232	0.0032 J	0.0774	0.0381	0.19	0.17	0.23	0.33
Selenium, SPLP	0.05	ND	ND	ND	ND	0.0124 J	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	0.013 J	0.017 J
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.0265	0.0518	0.0434	ND	0.148	0.0985	0.6 B	0.34 J	0.49 J	0.5

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

Report Date: December 16, 2016

Project: IDOT Job 050

Submittal Date: 12/03/2016
Group Number: 1739973
PO Number: 0088208
State of Sample Origin: IL

Client Sample Description	Lancaster Labs (LL) #
SL-1(0-5)-120216 Grab Soil	8725921
SL-1(0-5)-120216 Grab Soil	8725922
SL-1(0-5)-120216 Grab Soil	8725923
SL-1(0-5)-120216D Grab Soil	8725924
SL-1(0-5)-120216D Grab Soil	8725925
SL-1(0-5)-120216D Grab Soil	8725926
SL-2(0-5)-120216 Grab Soil	8725927
SL-2(0-5)-120216 Grab Soil	8725928
SL-2(0-5)-120216 Grab Soil	8725929
SL-3(0-5)-120216 Grab Soil	8725930
SL-3(0-5)-120216 Grab Soil	8725931
SL-3(0-5)-120216 Grab Soil	8725932
SL-3(5-10)-120216 Grab Soil	8725933
SL-3(5-10)-120216 Grab Soil	8725934
SL-3(5-10)-120216 Grab Soil	8725935
SL-3(10-15)-120216 Grab Soil	8725936
SL-3(10-15)-120216 Grab Soil	8725937
SL-3(10-15)-120216 Grab Soil	8725938
SL-5(0-5)-120216 Grab Soil	8725939
SL-5(0-5)-120216 Grab Soil	8725940
SL-5(0-5)-120216 Grab Soil	8725941
SL-6(0-5)-120216 Grab Soil	8725942
SL-6(0-5)-120216 Grab Soil	8725943
SL-6(0-5)-120216 Grab Soil	8725944
SL-4(0-5)-120216 Grab Soil	8725945
SL-4(0-5)-120216 Grab Soil	8725946
SL-4(0-5)-120216 Grab Soil	8725947
SL-4(5-10)-120216 Grab Soil	8725948
SL-4(5-10)-120216 Grab Soil	8725949
SL-4(5-10)-120216 Grab Soil	8725950
SL-4(10-15)-120216 Grab Soil	8725951

SL-4(10-15)-120216 Grab Soil	8725952
SL-4(10-15)-120216 Grab Soil	8725953

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Weston Solutions Attn: Andris Slesers

Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

Sample Description: SL-2(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725927
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 09:50 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0407

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	17	J	6	18	0.72
10237	Benzene	71-43-2	N.D.		0.4	4	0.72
10237	Bromodichloromethane	75-27-4	N.D.		0.9	4	0.72
10237	Bromoform	75-25-2	N.D.		0.9	4	0.72
10237	Bromomethane	74-83-9	N.D.		2	4	0.72
10237	2-Butanone	78-93-3	4	J	4	9	0.72
10237	Carbon Disulfide	75-15-0	1	J	0.9	4	0.72
10237	Carbon Tetrachloride	56-23-5	N.D.		0.9	4	0.72
10237	Chlorobenzene	108-90-7	N.D.		0.9	4	0.72
10237	Chloroethane	75-00-3	N.D.		2	4	0.72
10237	Chloroform	67-66-3	N.D.		0.9	4	0.72
10237	Chloromethane	74-87-3	N.D.		2	4	0.72
10237	Dibromochloromethane	124-48-1	N.D.		0.9	4	0.72
10237	1,1-Dichloroethane	75-34-3	N.D.		0.9	4	0.72
10237	1,2-Dichloroethane	107-06-2	N.D.		0.9	4	0.72
10237	1,1-Dichloroethene	75-35-4	N.D.		0.9	4	0.72
10237	cis-1,2-Dichloroethene	156-59-2	N.D.		0.9	4	0.72
10237	trans-1,2-Dichloroethene	156-60-5	N.D.		0.9	4	0.72
10237	1,2-Dichloropropane	78-87-5	N.D.		0.9	4	0.72
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.9	4	0.72
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.9	4	0.72
10237	Ethylbenzene	100-41-4	N.D.		0.9	4	0.72
10237	2-Hexanone	591-78-6	N.D.		3	9	0.72
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.4	4	0.72
10237	4-Methyl-2-pentanone	108-10-1	N.D.		3	9	0.72
10237	Methylene Chloride	75-09-2	N.D.		2	4	0.72
10237	Styrene	100-42-5	N.D.		0.9	4	0.72
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.9	4	0.72
10237	Tetrachloroethene	127-18-4	N.D.		0.9	4	0.72
10237	Toluene	108-88-3	N.D.		0.9	4	0.72
10237	1,1,1-Trichloroethane	71-55-6	N.D.		0.9	4	0.72
10237	1,1,2-Trichloroethane	79-00-5	N.D.		0.9	4	0.72
10237	Trichloroethene	79-01-6	N.D.		0.9	4	0.72
10237	Vinyl Chloride	75-01-4	N.D.		0.9	4	0.72
10237	Xylene (Total)	1330-20-7	N.D.		0.9	4	0.72
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	N.D.		4	21	1
10726	Acenaphthylene	208-96-8	N.D.		4	21	1
10726	Anthracene	120-12-7	N.D.		4	21	1
10726	Benzo(a)anthracene	56-55-3	15	J	4	21	1
10726	Benzo(a)pyrene	50-32-8	17	J	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	40		4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	18	J	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	10	J	4	21	1
10726	4-Bromophenyl-phenylether	101-55-3	N.D.		20	41	1
10726	Butylbenzylphthalate	85-68-7	N.D.		82	200	1
10726	Di-n-butylphthalate	84-74-2	N.D.		82	200	1
10726	Carbazole	86-74-8	N.D.		20	41	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-2(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725927
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 09:50 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0407

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D			ug/kg		ug/kg	ug/kg	
10726	4-Chloro-3-methylphenol	59-50-7	N.D.		20	41	1
10726	4-Chloroaniline	106-47-8	N.D.		41	82	1
10726	bis(2-Chloroethoxy)methane	111-91-1	N.D.		20	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	N.D.		20	41	1
10726	2-Chloronaphthalene	91-58-7	N.D.		8	41	1
10726	2-Chlorophenol	95-57-8	N.D.		20	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	N.D.		20	41	1
10726	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.		20	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	Chrysene	218-01-9	34		4	21	1
10726	Dibenz(a,h)anthracene	53-70-3	N.D.		4	21	1
10726	Dibenzofuran	132-64-9	N.D.		20	41	1
10726	1,2-Dichlorobenzene	95-50-1	N.D.		20	41	1
10726	1,3-Dichlorobenzene	541-73-1	N.D.		20	41	1
10726	1,4-Dichlorobenzene	106-46-7	N.D.		20	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	N.D.		120	410	1
10726	2,4-Dichlorophenol	120-83-2	N.D.		20	41	1
10726	Diethylphthalate	84-66-2	N.D.		82	200	1
10726	2,4-Dimethylphenol	105-67-9	N.D.		20	41	1
10726	Dimethylphthalate	131-11-3	N.D.		82	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	N.D.		200	610	1
10726	2,4-Dinitrophenol	51-28-5	N.D.		370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	N.D.		82	200	1
10726	2,6-Dinitrotoluene	606-20-2	N.D.		20	41	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		82	210	1
10726	Fluoranthene	206-44-0	38		4	21	1
10726	Fluorene	86-73-7	N.D.		4	21	1
10726	Hexachlorobenzene	118-74-1	N.D.		4	21	1
10726	Hexachlorobutadiene	87-68-3	N.D.		20	41	1
10726	Hexachlorocyclopentadiene	77-47-4	N.D.		200	610	1
10726	Hexachloroethane	67-72-1	N.D.		41	200	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	9	J	4	21	1
10726	Isophorone	78-59-1	N.D.		20	41	1
10726	2-Methylnaphthalene	91-57-6	9	J	4	21	1
10726	2-Methylphenol	95-48-7	N.D.		20	41	1
10726	4-Methylphenol	106-44-5	N.D.		20	41	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	13	J	4	21	1
10726	2-Nitroaniline	88-74-4	N.D.		20	41	1
10726	3-Nitroaniline	99-09-2	N.D.		82	200	1
10726	4-Nitroaniline	100-01-6	N.D.		82	200	1
10726	Nitrobenzene	98-95-3	N.D.		20	41	1
10726	2-Nitrophenol	88-75-5	N.D.		20	41	1
10726	4-Nitrophenol	100-02-7	N.D.		200	610	1
10726	N-Nitroso-di-n-propylamine	621-64-7	N.D.		20	41	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-2(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725927
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 09:50 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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300 Plaza Circle
Suite 202
Mundelein IL 60060

I0407

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**	**ug/kg**	**ug/kg**	
10726	N-Nitrosodiphenylamine	86-30-6	N.D.	20	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	Di-n-octylphthalate	117-84-0	N.D.	82	200	1
10726	Pentachlorophenol	87-86-5	N.D.	41	210	1
10726	Phenanthrene	85-01-8	24	4	21	1
10726	Phenol	108-95-2	N.D.	20	41	1
10726	Pyrene	129-00-0	35	4	21	1
10726	1,2,4-Trichlorobenzene	120-82-1	N.D.	20	41	1
10726	2,4,5-Trichlorophenol	95-95-4	N.D.	20	41	1
10726	2,4,6-Trichlorophenol	88-06-2	N.D.	20	41	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06944	Antimony	7440-36-0	1.25 J	0.760	2.17	1
06935	Arsenic	7440-38-2	7.55	1.05	2.17	1
06946	Barium	7440-39-3	144	0.0358	0.543	1
06947	Beryllium	7440-41-7	1.22	0.0727	0.543	1
06949	Cadmium	7440-43-9	0.0923 J	0.0532	0.543	1
01650	Calcium	7440-70-2	5,910	6.14	21.7	1
06951	Chromium	7440-47-3	31.7	0.152	1.63	1
06952	Cobalt	7440-48-4	12.8	0.130	0.543	1
06953	Copper	7440-50-8	32.4	0.250	1.09	1
01654	Iron	7439-89-6	27,400	4.47	21.7	1
06955	Lead	7439-92-1	41.5	0.597	1.63	1
01657	Magnesium	7439-95-4	7,030	2.06	10.9	1
06958	Manganese	7439-96-5	441	0.0901	0.543	1
06961	Nickel	7440-02-0	32.3	0.326	1.09	1
01662	Potassium	7440-09-7	3,940	25.9	54.3	1
06936	Selenium	7782-49-2	2.41	0.977	2.17	1
06966	Silver	7440-22-4	N.D.	0.163	0.543	1
01667	Sodium	7440-23-5	306	25.9	109	1
06925	Thallium	7440-28-0	3.03 J	0.890	3.26	1
06971	Vanadium	7440-62-2	49.6	0.152	0.543	1
06972	Zinc	7440-66-6	88.3	0.738	2.17	1
	SW-846 7471A		**mg/kg**	**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0253 J	0.0122	0.122	1
Wet Chemistry	**SW-846 9045C modified**		**Std. Units**	**Std. Units**	**Std. Units**	
00394	pH (soil)	n.a.	8.00	0.0100	0.0100	1
	The pH was measured in water at 21.4 C.					
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	**%**	
00111	Moisture	n.a.	19.2	0.50	0.50	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-2(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725927
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 09:50 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0407

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2540 G-1997**		%	%	%	

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs - Solid by 8260B	SW-846 8260B	1	X163461AA	12/11/2016 18:41	Angela D Sneeringer	0.72
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201634043639	12/02/2016 09:50	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	1	201634043639	12/02/2016 09:50	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	2	201634043639	12/02/2016 09:50	Client Supplied	1
10726	TCL 8270 (microwave)	SW-846 8270D	1	16343SLA026	12/12/2016 17:32	Joseph M Gambler	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	16343SLA026	12/08/2016 17:10	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
01650	Calcium	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
01654	Iron	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
01657	Magnesium	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-2(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725927
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 09:50 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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300 Plaza Circle
Suite 202
Mundelein IL 60060

I0407

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06958	Manganese	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
01662	Potassium	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	3	163495708002	12/15/2016 18:44	Cindy M Gehman	1
01667	Sodium	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	2	163495708002	12/14/2016 20:01	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	163415711002	12/07/2016 08:42	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	163495708002	12/07/2016 05:33	James L Mertz	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	163415711002	12/06/2016 18:55	JoElla L Rice	1
00394	pH (soil)	SW-846 9045C modified	1	16346039402A	12/11/2016 17:50	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	16344820005A	12/09/2016 11:16	Larry E Bevins	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-2(0-5)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725928
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 09:50 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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300 Plaza Circle
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Mundelein IL 60060

I0408

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.458	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.0012 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0039 J	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0488	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0070 J	0.0041	0.0100	1
01754	Iron	7439-89-6	0.132 J	0.0747	0.200	1
07055	Lead	7439-92-1	0.0071 J	0.0062	0.0150	1
07058	Manganese	7439-96-5	6.70	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0248	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0683	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07046	Barium	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07047	Beryllium	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07049	Cadmium	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07051	Chromium	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07052	Cobalt	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07053	Copper	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
01754	Iron	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07055	Lead	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07061	Nickel	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07036	Selenium	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07066	Silver	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
07072	Zinc	SW-846 6010B	1	163495705001	12/15/2016 21:45	Cindy M Gehman	1
00259	Mercury	SW-846 7470A	1	163495713001	12/15/2016 07:42	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-2(0-5)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725928
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 09:50 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0408

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705001	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713001	12/14/2016 19:45	Barbara A Kane	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	16348-2486-947 A	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: SL-2(0-5)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725929
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 09:50 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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300 Plaza Circle
Suite 202
Mundelein IL 60060

I0409

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	0.0099 J	0.0097	0.0200	1
07046	Barium	7440-39-3	0.0850	0.0011	0.0050	1
07047	Beryllium	7440-41-7	0.0011 J	0.00067	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0166	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0034 J	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0192	0.0041	0.0100	1
01754	Iron	7439-89-6	8.04	0.0747	0.200	1
07055	Lead	7439-92-1	0.0099 J	0.0062	0.0150	1
07058	Manganese	7439-96-5	0.148	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0108	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0265	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00024	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	163495705002	12/15/2016 16:24	Cindy M Gehman	1
07047	Beryllium	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
07052	Cobalt	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
07053	Copper	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
01754	Iron	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
07072	Zinc	SW-846 6010B	1	163495705002	12/15/2016 06:53	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	163495713002	12/15/2016 07:50	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-2(0-5)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725929
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 09:50 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0409

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705002	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713002	12/14/2016 19:45	Barbara A Kane	1
01567	SPLP Non-volatile Extraction	SW-846 1312	1	16348-2486-1567	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: SL-5(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725939
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:28 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0419

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	9	J	6	16	0.67
10237	Benzene	71-43-2	1	J	0.4	4	0.67
10237	Bromodichloromethane	75-27-4	N.D.		0.8	4	0.67
10237	Bromoform	75-25-2	N.D.		0.8	4	0.67
10237	Bromomethane	74-83-9	N.D.		2	4	0.67
10237	2-Butanone	78-93-3	N.D.		3	8	0.67
10237	Carbon Disulfide	75-15-0	N.D.		0.8	4	0.67
10237	Carbon Tetrachloride	56-23-5	N.D.		0.8	4	0.67
10237	Chlorobenzene	108-90-7	N.D.		0.8	4	0.67
10237	Chloroethane	75-00-3	N.D.		2	4	0.67
10237	Chloroform	67-66-3	N.D.		0.8	4	0.67
10237	Chloromethane	74-87-3	N.D.		2	4	0.67
10237	Dibromochloromethane	124-48-1	N.D.		0.8	4	0.67
10237	1,1-Dichloroethane	75-34-3	N.D.		0.8	4	0.67
10237	1,2-Dichloroethane	107-06-2	N.D.		0.8	4	0.67
10237	1,1-Dichloroethene	75-35-4	N.D.		0.8	4	0.67
10237	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	4	0.67
10237	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	4	0.67
10237	1,2-Dichloropropane	78-87-5	N.D.		0.8	4	0.67
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.8	4	0.67
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.8	4	0.67
10237	Ethylbenzene	100-41-4	N.D.		0.8	4	0.67
10237	2-Hexanone	591-78-6	N.D.		2	8	0.67
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.4	4	0.67
10237	4-Methyl-2-pentanone	108-10-1	N.D.		2	8	0.67
10237	Methylene Chloride	75-09-2	N.D.		2	4	0.67
10237	Styrene	100-42-5	N.D.		0.8	4	0.67
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.8	4	0.67
10237	Tetrachloroethene	127-18-4	N.D.		0.8	4	0.67
10237	Toluene	108-88-3	1	J	0.8	4	0.67
10237	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	4	0.67
10237	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	4	0.67
10237	Trichloroethene	79-01-6	N.D.		0.8	4	0.67
10237	Vinyl Chloride	75-01-4	N.D.		0.8	4	0.67
10237	Xylene (Total)	1330-20-7	N.D.		0.8	4	0.67
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	N.D.		4	20	1
10726	Acenaphthylene	208-96-8	N.D.		4	20	1
10726	Anthracene	120-12-7	N.D.		4	20	1
10726	Benzo(a)anthracene	56-55-3	32		4	20	1
10726	Benzo(a)pyrene	50-32-8	38		4	20	1
10726	Benzo(b)fluoranthene	205-99-2	50		4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	36		4	20	1
10726	Benzo(k)fluoranthene	207-08-9	29		4	20	1
10726	4-Bromophenyl-phenylether	101-55-3	N.D.		20	40	1
10726	Butylbenzylphthalate	85-68-7	N.D.		79	200	1
10726	Di-n-butylphthalate	84-74-2	N.D.		79	200	1
10726	Carbazole	86-74-8	N.D.		20	40	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-5(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725939
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:28 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0419

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D			ug/kg		ug/kg	ug/kg	
10726	4-Chloro-3-methylphenol	59-50-7	N.D.		20	40	1
10726	4-Chloroaniline	106-47-8	N.D.		40	79	1
10726	bis(2-Chloroethoxy)methane	111-91-1	N.D.		20	40	1
10726	bis(2-Chloroethyl)ether	111-44-4	N.D.		20	40	1
10726	2-Chloronaphthalene	91-58-7	N.D.		8	39	1
10726	2-Chlorophenol	95-57-8	N.D.		20	40	1
10726	4-Chlorophenyl-phenylether	7005-72-3	N.D.		20	40	1
10726	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.		20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	Chrysene	218-01-9	49		4	20	1
10726	Dibenz(a,h)anthracene	53-70-3	9	J	4	20	1
10726	Dibenzofuran	132-64-9	N.D.		20	40	1
10726	1,2-Dichlorobenzene	95-50-1	N.D.		20	40	1
10726	1,3-Dichlorobenzene	541-73-1	N.D.		20	40	1
10726	1,4-Dichlorobenzene	106-46-7	N.D.		20	40	1
10726	3,3'-Dichlorobenzidine	91-94-1	N.D.		120	400	1
10726	2,4-Dichlorophenol	120-83-2	N.D.		20	40	1
10726	Diethylphthalate	84-66-2	N.D.		79	200	1
10726	2,4-Dimethylphenol	105-67-9	N.D.		20	40	1
10726	Dimethylphthalate	131-11-3	N.D.		79	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	N.D.		200	590	1
10726	2,4-Dinitrophenol	51-28-5	N.D.		360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	N.D.		79	200	1
10726	2,6-Dinitrotoluene	606-20-2	N.D.		20	40	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		79	200	1
10726	Fluoranthene	206-44-0	72		4	20	1
10726	Fluorene	86-73-7	N.D.		4	20	1
10726	Hexachlorobenzene	118-74-1	N.D.		4	20	1
10726	Hexachlorobutadiene	87-68-3	N.D.		20	40	1
10726	Hexachlorocyclopentadiene	77-47-4	N.D.		200	590	1
10726	Hexachloroethane	67-72-1	N.D.		40	200	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	29		4	20	1
10726	Isophorone	78-59-1	N.D.		20	40	1
10726	2-Methylnaphthalene	91-57-6	N.D.		4	20	1
10726	2-Methylphenol	95-48-7	N.D.		20	40	1
10726	4-Methylphenol	106-44-5	N.D.		20	40	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	N.D.		4	20	1
10726	2-Nitroaniline	88-74-4	N.D.		20	40	1
10726	3-Nitroaniline	99-09-2	N.D.		79	200	1
10726	4-Nitroaniline	100-01-6	N.D.		79	200	1
10726	Nitrobenzene	98-95-3	N.D.		20	40	1
10726	2-Nitrophenol	88-75-5	N.D.		20	40	1
10726	4-Nitrophenol	100-02-7	N.D.		200	590	1
10726	N-Nitroso-di-n-propylamine	621-64-7	N.D.		20	40	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-5(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725939
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:28 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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300 Plaza Circle
Suite 202
Mundelein IL 60060

I0419

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**	**ug/kg**	**ug/kg**	
10726	N-Nitrosodiphenylamine	86-30-6	N.D.	20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	Di-n-octylphthalate	117-84-0	N.D.	79	200	1
10726	Pentachlorophenol	87-86-5	N.D.	40	200	1
10726	Phenanthrene	85-01-8	9 J	4	20	1
10726	Phenol	108-95-2	N.D.	20	40	1
10726	Pyrene	129-00-0	63	4	20	1
10726	1,2,4-Trichlorobenzene	120-82-1	N.D.	20	40	1
10726	2,4,5-Trichlorophenol	95-95-4	N.D.	20	40	1
10726	2,4,6-Trichlorophenol	88-06-2	N.D.	20	40	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06944	Antimony	7440-36-0	1.42 J	0.637	1.82	1
06935	Arsenic	7440-38-2	8.46	0.882	1.82	1
06946	Barium	7440-39-3	83.2	0.0300	0.455	1
06947	Beryllium	7440-41-7	1.10	0.0609	0.455	1
06949	Cadmium	7440-43-9	N.D.	0.0446	0.455	1
01650	Calcium	7440-70-2	50,100	25.7	90.9	5
06951	Chromium	7440-47-3	29.3	0.127	1.36	1
06952	Cobalt	7440-48-4	11.4	0.109	0.455	1
06953	Copper	7440-50-8	28.4	0.209	0.909	1
01654	Iron	7439-89-6	28,900	18.7	90.9	5
06955	Lead	7439-92-1	19.5	0.500	1.36	1
01657	Magnesium	7439-95-4	32,100	1.73	9.09	1
06958	Manganese	7439-96-5	418	0.0755	0.455	1
06961	Nickel	7440-02-0	29.6	0.273	0.909	1
01662	Potassium	7440-09-7	5,050	21.7	45.5	1
06936	Selenium	7782-49-2	1.46 J	0.819	1.82	1
06966	Silver	7440-22-4	N.D.	0.136	0.455	1
01667	Sodium	7440-23-5	680	21.7	90.9	1
06925	Thallium	7440-28-0	3.56	0.746	2.73	1
06971	Vanadium	7440-62-2	42.6	0.127	0.455	1
06972	Zinc	7440-66-6	58.7	0.618	1.82	1
	SW-846 7471A		**mg/kg**	**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0140 J	0.0114	0.114	1
Wet Chemistry	**SW-846 9045C modified**		**Std. Units**	**Std. Units**	**Std. Units**	
00394	pH (soil)	n.a.	8.74	0.0100	0.0100	1
	The pH was measured in water at 21.4 C.					
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	**%**	
00111	Moisture	n.a.	16.7	0.50	0.50	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-5(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725939
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:28 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0419

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2540 G-1997**		%	%	%	

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs - Solid by 8260B	SW-846 8260B	1	X163471AA	12/12/2016 13:19	Angela D Sneeringer	0.67
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201634043639	12/02/2016 10:28	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	1	201634043639	12/02/2016 10:28	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	2	201634043639	12/02/2016 10:28	Client Supplied	1
10726	TCL 8270 (microwave)	SW-846 8270D	1	16348SLC026	12/15/2016 00:09	Edward C Monborne	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	16348SLC026	12/14/2016 09:30	Gladys Doddamani	1
06944	Antimony	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
01650	Calcium	SW-846 6010B	2	163495708002	12/14/2016 20:36	Elaine F Stoltzfus	5
06951	Chromium	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
01654	Iron	SW-846 6010B	1	163495708002	12/14/2016 20:36	Elaine F Stoltzfus	5
06955	Lead	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
01657	Magnesium	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-5(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725939
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:28 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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300 Plaza Circle
Suite 202
Mundelein IL 60060

I0419

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06958	Manganese	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
01662	Potassium	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	3	163495708002	12/15/2016 18:58	Cindy M Gehman	1
01667	Sodium	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	2	163495708002	12/14/2016 20:33	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	163415711002	12/07/2016 08:52	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	163495708002	12/07/2016 05:33	James L Mertz	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	163415711002	12/06/2016 18:55	JoElla L Rice	1
00394	pH (soil)	SW-846 9045C modified	1	16346039403A	12/11/2016 18:40	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	16344820005A	12/09/2016 11:16	Larry E Bevins	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-5(0-5)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725940
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:28 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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Mundelein IL 60060

I0420

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.480	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.00066 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0054 J	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0103	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0097 J	0.0041	0.0100	1
01754	Iron	7439-89-6	1.54	0.0747	0.200	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07058	Manganese	7439-96-5	3.91	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0121	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0099 J	0.0054	0.0200	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07046	Barium	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07047	Beryllium	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07049	Cadmium	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07051	Chromium	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07052	Cobalt	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07053	Copper	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
01754	Iron	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07055	Lead	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07061	Nickel	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07036	Selenium	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07066	Silver	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
07072	Zinc	SW-846 6010B	1	163495705001	12/15/2016 21:59	Cindy M Gehman	1
00259	Mercury	SW-846 7470A	1	163495713001	12/15/2016 07:54	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-5(0-5)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725940
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:28 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0420

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705001	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713001	12/14/2016 19:45	Barbara A Kane	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	16348-2486-947 A	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: SL-5(0-5)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725941
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:28 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0421

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	0.0270	0.0097	0.0200	1
07046	Barium	7440-39-3	0.310	0.0011	0.0050	1
07047	Beryllium	7440-41-7	0.0045 J	0.00067	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.112	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0203	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0741	0.0041	0.0100	1
01754	Iron	7439-89-6	86.4	0.0747	0.200	1
07055	Lead	7439-92-1	0.0433	0.0062	0.0150	1
07058	Manganese	7439-96-5	0.311	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0774	0.0028	0.0100	1
07036	Selenium	7782-49-2	0.0124 J	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.148	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00036	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07047	Beryllium	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07052	Cobalt	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07053	Copper	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
01754	Iron	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
07072	Zinc	SW-846 6010B	1	163495705002	12/15/2016 07:06	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	163495713002	12/15/2016 08:02	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-5(0-5)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725941
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:28 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0421

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705002	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713002	12/14/2016 19:45	Barbara A Kane	1
01567	SPLP Non-volatile Extraction	SW-846 1312	1	16348-2486-1567	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725942
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0422

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	N.D.		5	16	0.68
10237	Benzene	71-43-2	0.5	J	0.4	4	0.68
10237	Bromodichloromethane	75-27-4	N.D.		0.8	4	0.68
10237	Bromoform	75-25-2	N.D.		0.8	4	0.68
10237	Bromomethane	74-83-9	N.D.		2	4	0.68
10237	2-Butanone	78-93-3	N.D.		3	8	0.68
10237	Carbon Disulfide	75-15-0	N.D.		0.8	4	0.68
10237	Carbon Tetrachloride	56-23-5	N.D.		0.8	4	0.68
10237	Chlorobenzene	108-90-7	N.D.		0.8	4	0.68
10237	Chloroethane	75-00-3	N.D.		2	4	0.68
10237	Chloroform	67-66-3	N.D.		0.8	4	0.68
10237	Chloromethane	74-87-3	N.D.		2	4	0.68
10237	Dibromochloromethane	124-48-1	N.D.		0.8	4	0.68
10237	1,1-Dichloroethane	75-34-3	N.D.		0.8	4	0.68
10237	1,2-Dichloroethane	107-06-2	N.D.		0.8	4	0.68
10237	1,1-Dichloroethene	75-35-4	N.D.		0.8	4	0.68
10237	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	4	0.68
10237	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	4	0.68
10237	1,2-Dichloropropane	78-87-5	N.D.		0.8	4	0.68
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.8	4	0.68
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.8	4	0.68
10237	Ethylbenzene	100-41-4	N.D.		0.8	4	0.68
10237	2-Hexanone	591-78-6	N.D.		2	8	0.68
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.4	4	0.68
10237	4-Methyl-2-pentanone	108-10-1	N.D.		2	8	0.68
10237	Methylene Chloride	75-09-2	N.D.		2	4	0.68
10237	Styrene	100-42-5	N.D.		0.8	4	0.68
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.8	4	0.68
10237	Tetrachloroethene	127-18-4	N.D.		0.8	4	0.68
10237	Toluene	108-88-3	N.D.		0.8	4	0.68
10237	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	4	0.68
10237	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	4	0.68
10237	Trichloroethene	79-01-6	N.D.		0.8	4	0.68
10237	Vinyl Chloride	75-01-4	N.D.		0.8	4	0.68
10237	Xylene (Total)	1330-20-7	N.D.		0.8	4	0.68
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	N.D.		4	20	1
10726	Acenaphthylene	208-96-8	N.D.		4	20	1
10726	Anthracene	120-12-7	N.D.		4	20	1
10726	Benzo(a)anthracene	56-55-3	N.D.		4	20	1
10726	Benzo(a)pyrene	50-32-8	N.D.		4	20	1
10726	Benzo(b)fluoranthene	205-99-2	6	J	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	6	J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	N.D.		4	20	1
10726	4-Bromophenyl-phenylether	101-55-3	N.D.		19	39	1
10726	Butylbenzylphthalate	85-68-7	N.D.		77	190	1
10726	Di-n-butylphthalate	84-74-2	N.D.		77	190	1
10726	Carbazole	86-74-8	N.D.		19	39	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725942
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0422

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D			ug/kg		ug/kg	ug/kg	
10726	4-Chloro-3-methylphenol	59-50-7	N.D.		19	39	1
10726	4-Chloroaniline	106-47-8	N.D.		39	77	1
10726	bis(2-Chloroethoxy)methane	111-91-1	N.D.		19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	N.D.		19	39	1
10726	2-Chloronaphthalene	91-58-7	N.D.		8	38	1
10726	2-Chlorophenol	95-57-8	N.D.		19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	N.D.		19	39	1
10726	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.		19	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	Chrysene	218-01-9	6	J	4	20	1
10726	Dibenz(a,h)anthracene	53-70-3	N.D.		4	20	1
10726	Dibenzofuran	132-64-9	N.D.		19	39	1
10726	1,2-Dichlorobenzene	95-50-1	N.D.		19	39	1
10726	1,3-Dichlorobenzene	541-73-1	N.D.		19	39	1
10726	1,4-Dichlorobenzene	106-46-7	N.D.		19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	N.D.		120	390	1
10726	2,4-Dichlorophenol	120-83-2	N.D.		19	39	1
10726	Diethylphthalate	84-66-2	N.D.		77	190	1
10726	2,4-Dimethylphenol	105-67-9	N.D.		19	39	1
10726	Dimethylphthalate	131-11-3	N.D.		77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	N.D.		190	580	1
10726	2,4-Dinitrophenol	51-28-5	N.D.		350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	N.D.		77	190	1
10726	2,6-Dinitrotoluene	606-20-2	N.D.		19	39	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		77	200	1
10726	Fluoranthene	206-44-0	12	J	4	20	1
10726	Fluorene	86-73-7	N.D.		4	20	1
10726	Hexachlorobenzene	118-74-1	N.D.		4	20	1
10726	Hexachlorobutadiene	87-68-3	N.D.		19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	N.D.		190	580	1
10726	Hexachloroethane	67-72-1	N.D.		39	190	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		4	20	1
10726	Isophorone	78-59-1	N.D.		19	39	1
10726	2-Methylnaphthalene	91-57-6	N.D.		4	20	1
10726	2-Methylphenol	95-48-7	N.D.		19	39	1
10726	4-Methylphenol	106-44-5	N.D.		19	39	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	N.D.		4	20	1
10726	2-Nitroaniline	88-74-4	N.D.		19	39	1
10726	3-Nitroaniline	99-09-2	N.D.		77	190	1
10726	4-Nitroaniline	100-01-6	N.D.		77	190	1
10726	Nitrobenzene	98-95-3	N.D.		19	39	1
10726	2-Nitrophenol	88-75-5	N.D.		19	39	1
10726	4-Nitrophenol	100-02-7	N.D.		190	580	1
10726	N-Nitroso-di-n-propylamine	621-64-7	N.D.		19	39	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725942
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0422

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**	**ug/kg**	**ug/kg**	
10726	N-Nitrosodiphenylamine	86-30-6	N.D.	19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	Di-n-octylphthalate	117-84-0	N.D.	77	190	1
10726	Pentachlorophenol	87-86-5	N.D.	39	200	1
10726	Phenanthrene	85-01-8	8 J	4	20	1
10726	Phenol	108-95-2	N.D.	19	39	1
10726	Pyrene	129-00-0	10 J	4	20	1
10726	1,2,4-Trichlorobenzene	120-82-1	N.D.	19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	N.D.	19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	N.D.	19	39	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06944	Antimony	7440-36-0	1.46 J	0.631	1.80	1
06935	Arsenic	7440-38-2	8.49	0.874	1.80	1
06946	Barium	7440-39-3	42.3	0.0297	0.451	1
06947	Beryllium	7440-41-7	0.775	0.0604	0.451	1
06949	Cadmium	7440-43-9	0.178 J	0.0442	0.451	1
01650	Calcium	7440-70-2	79,100	25.5	90.1	5
06951	Chromium	7440-47-3	20.2	0.126	1.35	1
06952	Cobalt	7440-48-4	8.98	0.108	0.451	1
06953	Copper	7440-50-8	24.7	0.207	0.901	1
01654	Iron	7439-89-6	23,800	3.71	18.0	1
06955	Lead	7439-92-1	16.4	0.496	1.35	1
01657	Magnesium	7439-95-4	42,600	1.71	9.01	1
06958	Manganese	7439-96-5	531	0.0748	0.451	1
06961	Nickel	7440-02-0	23.9	0.270	0.901	1
01662	Potassium	7440-09-7	4,470	21.5	45.1	1
06936	Selenium	7782-49-2	1.64 J	0.811	1.80	1
06966	Silver	7440-22-4	N.D.	0.135	0.451	1
01667	Sodium	7440-23-5	413	21.5	90.1	1
06925	Thallium	7440-28-0	2.91	0.739	2.70	1
06971	Vanadium	7440-62-2	30.1	0.126	0.451	1
06972	Zinc	7440-66-6	57.8	0.613	1.80	1
	SW-846 7471A		**mg/kg**	**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0155 J	0.0111	0.111	1
Wet Chemistry	**SW-846 9045C modified**		**Std. Units**	**Std. Units**	**Std. Units**	
00394	pH (soil)	n.a.	8.60	0.0100	0.0100	1
	The pH was measured in water at 21.5 C.					
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	**%**	
00111	Moisture	n.a.	14.0	0.50	0.50	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725942
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0422

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2540 G-1997**		%	%	%	

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs - Solid by 8260B	SW-846 8260B	1	X163471AA	12/12/2016 13:42	Angela D Sneeringer	0.68
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201634043639	12/02/2016 10:40	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	1	201634043639	12/02/2016 10:40	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	2	201634043639	12/02/2016 10:40	Client Supplied	1
10726	TCL 8270 (microwave)	SW-846 8270D	1	16343SLA026	12/12/2016 23:46	Edward C Monborne	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	16343SLA026	12/08/2016 17:10	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
01650	Calcium	SW-846 6010B	1	163495708002	12/14/2016 20:42	Elaine F Stoltzfus	5
06951	Chromium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
01654	Iron	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
01657	Magnesium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725942
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0422

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06958	Manganese	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
01662	Potassium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	3	163495708002	12/15/2016 19:01	Cindy M Gehman	1
01667	Sodium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	163415711002	12/07/2016 08:54	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	163495708002	12/07/2016 05:33	James L Mertz	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	163415711002	12/06/2016 18:55	JoElla L Rice	1
00394	pH (soil)	SW-846 9045C modified	1	16346039403A	12/11/2016 18:40	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	16344820005A	12/09/2016 11:16	Larry E Bevins	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725943
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0423

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.267	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.0011 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0020 J	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0058	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0061 J	0.0041	0.0100	1
01754	Iron	7439-89-6	N.D.	0.0747	0.200	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07058	Manganese	7439-96-5	1.54	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0081 J	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0106 J	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07046	Barium	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07047	Beryllium	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07049	Cadmium	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07051	Chromium	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07052	Cobalt	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07053	Copper	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
01754	Iron	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07055	Lead	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07061	Nickel	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07036	Selenium	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07066	Silver	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07072	Zinc	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
00259	Mercury	SW-846 7470A	1	163495713001	12/15/2016 07:56	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725943
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0423

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705001	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713001	12/14/2016 19:45	Barbara A Kane	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	16348-2486-947 A	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SL-6(0-5)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725944
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0424

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	0.0138 J	0.0097	0.0200	1
07046	Barium	7440-39-3	0.127	0.0011	0.0050	1
07047	Beryllium	7440-41-7	0.0021 J	0.00067	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0504	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0099	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0430	0.0041	0.0100	1
01754	Iron	7439-89-6	39.1	0.0747	0.200	1
07055	Lead	7439-92-1	0.0249	0.0062	0.0150	1
07058	Manganese	7439-96-5	0.130	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0381	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0985	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00039	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07047	Beryllium	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07052	Cobalt	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07053	Copper	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
01754	Iron	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07072	Zinc	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	163495713002	12/15/2016 08:04	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725944
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0424

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705002	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713002	12/14/2016 19:45	Barbara A Kane	1
01567	SPLP Non-volatile Extraction	SW-846 1312	1	16348-2486-1567	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725945
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:55 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0425

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	7	J	7	19	0.73
10237	Benzene	71-43-2	2	J	0.5	5	0.73
10237	Bromodichloromethane	75-27-4	N.D.		1	5	0.73
10237	Bromoform	75-25-2	N.D.		1	5	0.73
10237	Bromomethane	74-83-9	N.D.		2	5	0.73
10237	2-Butanone	78-93-3	N.D.		4	10	0.73
10237	Carbon Disulfide	75-15-0	N.D.		1	5	0.73
10237	Carbon Tetrachloride	56-23-5	N.D.		1	5	0.73
10237	Chlorobenzene	108-90-7	N.D.		1	5	0.73
10237	Chloroethane	75-00-3	N.D.		2	5	0.73
10237	Chloroform	67-66-3	N.D.		1	5	0.73
10237	Chloromethane	74-87-3	N.D.		2	5	0.73
10237	Dibromochloromethane	124-48-1	N.D.		1	5	0.73
10237	1,1-Dichloroethane	75-34-3	N.D.		1	5	0.73
10237	1,2-Dichloroethane	107-06-2	N.D.		1	5	0.73
10237	1,1-Dichloroethene	75-35-4	N.D.		1	5	0.73
10237	cis-1,2-Dichloroethene	156-59-2	N.D.		1	5	0.73
10237	trans-1,2-Dichloroethene	156-60-5	N.D.		1	5	0.73
10237	1,2-Dichloropropane	78-87-5	N.D.		1	5	0.73
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	5	0.73
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	5	0.73
10237	Ethylbenzene	100-41-4	N.D.		1	5	0.73
10237	2-Hexanone	591-78-6	N.D.		3	10	0.73
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	5	0.73
10237	4-Methyl-2-pentanone	108-10-1	N.D.		3	10	0.73
10237	Methylene Chloride	75-09-2	N.D.		2	5	0.73
10237	Styrene	100-42-5	N.D.		1	5	0.73
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	5	0.73
10237	Tetrachloroethene	127-18-4	N.D.		1	5	0.73
10237	Toluene	108-88-3	2	J	1	5	0.73
10237	1,1,1-Trichloroethane	71-55-6	N.D.		1	5	0.73
10237	1,1,2-Trichloroethane	79-00-5	N.D.		1	5	0.73
10237	Trichloroethene	79-01-6	N.D.		1	5	0.73
10237	Vinyl Chloride	75-01-4	N.D.		1	5	0.73
10237	Xylene (Total)	1330-20-7	N.D.		1	5	0.73
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	N.D.		4	22	1
10726	Acenaphthylene	208-96-8	N.D.		4	22	1
10726	Anthracene	120-12-7	N.D.		4	22	1
10726	Benzo(a)anthracene	56-55-3	N.D.		4	22	1
10726	Benzo(a)pyrene	50-32-8	N.D.		4	22	1
10726	Benzo(b)fluoranthene	205-99-2	N.D.		4	22	1
10726	Benzo(g,h,i)perylene	191-24-2	6	J	4	22	1
10726	Benzo(k)fluoranthene	207-08-9	N.D.		4	22	1
10726	4-Bromophenyl-phenylether	101-55-3	N.D.		21	43	1
10726	Butylbenzylphthalate	85-68-7	N.D.		86	210	1
10726	Di-n-butylphthalate	84-74-2	N.D.		86	210	1
10726	Carbazole	86-74-8	N.D.		21	43	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725945
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:55 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0425

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D			ug/kg	ug/kg	ug/kg	
10726	4-Chloro-3-methylphenol	59-50-7	N.D.	21	43	1
10726	4-Chloroaniline	106-47-8	N.D.	43	86	1
10726	bis(2-Chloroethoxy)methane	111-91-1	N.D.	21	43	1
10726	bis(2-Chloroethyl)ether	111-44-4	N.D.	21	43	1
10726	2-Chloronaphthalene	91-58-7	N.D.	9	42	1
10726	2-Chlorophenol	95-57-8	N.D.	21	43	1
10726	4-Chlorophenyl-phenylether	7005-72-3	N.D.	21	43	1
10726	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	21	43	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	Chrysene	218-01-9	N.D.	4	22	1
10726	Dibenz(a,h)anthracene	53-70-3	N.D.	4	22	1
10726	Dibenzofuran	132-64-9	N.D.	21	43	1
10726	1,2-Dichlorobenzene	95-50-1	N.D.	21	43	1
10726	1,3-Dichlorobenzene	541-73-1	N.D.	21	43	1
10726	1,4-Dichlorobenzene	106-46-7	N.D.	21	43	1
10726	3,3'-Dichlorobenzidine	91-94-1	N.D.	130	430	1
10726	2,4-Dichlorophenol	120-83-2	N.D.	21	43	1
10726	Diethylphthalate	84-66-2	N.D.	86	210	1
10726	2,4-Dimethylphenol	105-67-9	N.D.	21	43	1
10726	Dimethylphthalate	131-11-3	N.D.	86	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	210	640	1
10726	2,4-Dinitrophenol	51-28-5	N.D.	390	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	N.D.	86	210	1
10726	2,6-Dinitrotoluene	606-20-2	N.D.	21	43	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	86	220	1
10726	Fluoranthene	206-44-0	N.D.	4	22	1
10726	Fluorene	86-73-7	N.D.	4	22	1
10726	Hexachlorobenzene	118-74-1	N.D.	4	22	1
10726	Hexachlorobutadiene	87-68-3	N.D.	21	43	1
10726	Hexachlorocyclopentadiene	77-47-4	N.D.	210	640	1
10726	Hexachloroethane	67-72-1	N.D.	43	210	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	22	1
10726	Isophorone	78-59-1	N.D.	21	43	1
10726	2-Methylnaphthalene	91-57-6	N.D.	4	22	1
10726	2-Methylphenol	95-48-7	N.D.	21	43	1
10726	4-Methylphenol	106-44-5	N.D.	21	43	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	N.D.	4	22	1
10726	2-Nitroaniline	88-74-4	N.D.	21	43	1
10726	3-Nitroaniline	99-09-2	N.D.	86	210	1
10726	4-Nitroaniline	100-01-6	N.D.	86	210	1
10726	Nitrobenzene	98-95-3	N.D.	21	43	1
10726	2-Nitrophenol	88-75-5	N.D.	21	43	1
10726	4-Nitrophenol	100-02-7	N.D.	210	640	1
10726	N-Nitroso-di-n-propylamine	621-64-7	N.D.	21	43	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725945
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:55 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0425

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**	**ug/kg**	**ug/kg**	
10726	N-Nitrosodiphenylamine	86-30-6	N.D.	21	43	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	Di-n-octylphthalate	117-84-0	N.D.	86	210	1
10726	Pentachlorophenol	87-86-5	N.D.	43	220	1
10726	Phenanthrene	85-01-8	N.D.	4	22	1
10726	Phenol	108-95-2	N.D.	21	43	1
10726	Pyrene	129-00-0	N.D.	4	22	1
10726	1,2,4-Trichlorobenzene	120-82-1	N.D.	21	43	1
10726	2,4,5-Trichlorophenol	95-95-4	N.D.	21	43	1
10726	2,4,6-Trichlorophenol	88-06-2	N.D.	21	43	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06944	Antimony	7440-36-0	1.72 J	0.629	1.80	1
06935	Arsenic	7440-38-2	4.26	0.872	1.80	1
06946	Barium	7440-39-3	38.2	0.0297	0.450	1
06947	Beryllium	7440-41-7	0.635	0.0602	0.450	1
06949	Cadmium	7440-43-9	0.214 J	0.0441	0.450	1
01650	Calcium	7440-70-2	96,300	25.4	89.9	5
06951	Chromium	7440-47-3	18.1	0.126	1.35	1
06952	Cobalt	7440-48-4	5.19	0.108	0.450	1
06953	Copper	7440-50-8	17.3	0.207	0.899	1
01654	Iron	7439-89-6	18,200	3.70	18.0	1
06955	Lead	7439-92-1	12.5	0.495	1.35	1
01657	Magnesium	7439-95-4	50,000	8.54	45.0	5
06958	Manganese	7439-96-5	534	0.0746	0.450	1
06961	Nickel	7440-02-0	16.9	0.270	0.899	1
01662	Potassium	7440-09-7	3,390	21.5	45.0	1
06936	Selenium	7782-49-2	0.834 J	0.809	1.80	1
06966	Silver	7440-22-4	N.D.	0.135	0.450	1
01667	Sodium	7440-23-5	268	21.5	89.9	1
06925	Thallium	7440-28-0	2.26 J	0.737	2.70	1
06971	Vanadium	7440-62-2	26.4	0.126	0.450	1
06972	Zinc	7440-66-6	42.1	0.611	1.80	1
	SW-846 7471A		**mg/kg**	**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0146 J	0.0126	0.126	1
Wet Chemistry	**SW-846 9045C modified**		**Std. Units**	**Std. Units**	**Std. Units**	
00394	pH (soil)	n.a.	8.39	0.0100	0.0100	1
	The pH was measured in water at 21.4 C.					
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	**%**	
00111	Moisture	n.a.	23.3	0.50	0.50	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725945
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:55 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0425

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2540 G-1997**		%	%	%	

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs - Solid by 8260B	SW-846 8260B	1	X163471AA	12/12/2016 14:05	Angela D Sneeringer	0.73
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201634043639	12/02/2016 10:55	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	1	201634043639	12/02/2016 10:55	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	2	201634043639	12/02/2016 10:55	Client Supplied	1
10726	TCL 8270 (microwave)	SW-846 8270D	1	16343SLA026	12/13/2016 00:12	Edward C Monborne	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	16343SLA026	12/08/2016 17:10	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
01650	Calcium	SW-846 6010B	1	163495708002	12/14/2016 20:49	Elaine F Stoltzfus	5
06951	Chromium	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
01654	Iron	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
01657	Magnesium	SW-846 6010B	2	163495708002	12/14/2016 20:49	Elaine F Stoltzfus	5

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725945
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:55 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0425

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06958	Manganese	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
01662	Potassium	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	3	163495708002	12/15/2016 19:05	Cindy M Gehman	1
01667	Sodium	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	2	163495708002	12/14/2016 20:45	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	163415711002	12/07/2016 08:57	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	163495708002	12/07/2016 05:33	James L Mertz	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	163415711002	12/06/2016 18:55	JoElla L Rice	1
00394	pH (soil)	SW-846 9045C modified	1	16346039403A	12/11/2016 18:40	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	16344820005A	12/09/2016 11:16	Larry E Bevins	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(0-5)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725946
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:55 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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Suite 202
Mundelein IL 60060

I0426

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.336	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.0032 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0035 J	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0375	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0257	0.0041	0.0100	1
01754	Iron	7439-89-6	N.D.	0.0747	0.200	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07058	Manganese	7439-96-5	4.58	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0435	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0326	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07046	Barium	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07047	Beryllium	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07049	Cadmium	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07051	Chromium	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07052	Cobalt	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07053	Copper	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
01754	Iron	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07055	Lead	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07061	Nickel	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07036	Selenium	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07066	Silver	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
07072	Zinc	SW-846 6010B	1	163495705001	12/15/2016 22:06	Cindy M Gehman	1
00259	Mercury	SW-846 7470A	1	163495713001	12/15/2016 07:58	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(0-5)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725946
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:55 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0426

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705001	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713001	12/14/2016 19:45	Barbara A Kane	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	16348-2486-947 A	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(0-5)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725947
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:55 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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300 Plaza Circle
Suite 202
Mundelein IL 60060

I0427

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.0778	0.0011	0.0050	1
07047	Beryllium	7440-41-7	0.0010 J	0.00067	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0247	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0040 J	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0202	0.0041	0.0100	1
01754	Iron	7439-89-6	18.2	0.0747	0.200	1
07055	Lead	7439-92-1	0.0121 J	0.0062	0.0150	1
07058	Manganese	7439-96-5	0.0725	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0165	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0518	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00023	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07047	Beryllium	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07052	Cobalt	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07053	Copper	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
01754	Iron	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
07072	Zinc	SW-846 6010B	1	163495705002	12/15/2016 07:12	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	163495713002	12/15/2016 08:06	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(0-5)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725947
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:55 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0427

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705002	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713002	12/14/2016 19:45	Barbara A Kane	1
01567	SPLP Non-volatile Extraction	SW-846 1312	1	16348-2486-1567	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(5-10)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725948
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:00 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0428

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	N.D.		5	15	0.63
10237	Benzene	71-43-2	0.5	J	0.4	4	0.63
10237	Bromodichloromethane	75-27-4	N.D.		0.7	4	0.63
10237	Bromoform	75-25-2	N.D.		0.7	4	0.63
10237	Bromomethane	74-83-9	N.D.		1	4	0.63
10237	2-Butanone	78-93-3	N.D.		3	7	0.63
10237	Carbon Disulfide	75-15-0	N.D.		0.7	4	0.63
10237	Carbon Tetrachloride	56-23-5	N.D.		0.7	4	0.63
10237	Chlorobenzene	108-90-7	N.D.		0.7	4	0.63
10237	Chloroethane	75-00-3	N.D.		1	4	0.63
10237	Chloroform	67-66-3	N.D.		0.7	4	0.63
10237	Chloromethane	74-87-3	N.D.		1	4	0.63
10237	Dibromochloromethane	124-48-1	N.D.		0.7	4	0.63
10237	1,1-Dichloroethane	75-34-3	N.D.		0.7	4	0.63
10237	1,2-Dichloroethane	107-06-2	N.D.		0.7	4	0.63
10237	1,1-Dichloroethene	75-35-4	N.D.		0.7	4	0.63
10237	cis-1,2-Dichloroethene	156-59-2	N.D.		0.7	4	0.63
10237	trans-1,2-Dichloroethene	156-60-5	N.D.		0.7	4	0.63
10237	1,2-Dichloropropane	78-87-5	N.D.		0.7	4	0.63
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.7	4	0.63
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.7	4	0.63
10237	Ethylbenzene	100-41-4	N.D.		0.7	4	0.63
10237	2-Hexanone	591-78-6	N.D.		2	7	0.63
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.4	4	0.63
10237	4-Methyl-2-pentanone	108-10-1	N.D.		2	7	0.63
10237	Methylene Chloride	75-09-2	N.D.		1	4	0.63
10237	Styrene	100-42-5	N.D.		0.7	4	0.63
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.7	4	0.63
10237	Tetrachloroethene	127-18-4	N.D.		0.7	4	0.63
10237	Toluene	108-88-3	0.8	J	0.7	4	0.63
10237	1,1,1-Trichloroethane	71-55-6	N.D.		0.7	4	0.63
10237	1,1,2-Trichloroethane	79-00-5	N.D.		0.7	4	0.63
10237	Trichloroethene	79-01-6	N.D.		0.7	4	0.63
10237	Vinyl Chloride	75-01-4	N.D.		0.7	4	0.63
10237	Xylene (Total)	1330-20-7	N.D.		0.7	4	0.63
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	N.D.		4	20	1
10726	Acenaphthylene	208-96-8	N.D.		4	20	1
10726	Anthracene	120-12-7	5	J	4	20	1
10726	Benzo(a)anthracene	56-55-3	N.D.		4	20	1
10726	Benzo(a)pyrene	50-32-8	N.D.		4	20	1
10726	Benzo(b)fluoranthene	205-99-2	N.D.		4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	11	J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	N.D.		4	20	1
10726	4-Bromophenyl-phenylether	101-55-3	N.D.		19	39	1
10726	Butylbenzylphthalate	85-68-7	N.D.		77	190	1
10726	Di-n-butylphthalate	84-74-2	N.D.		77	190	1
10726	Carbazole	86-74-8	N.D.		19	39	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(5-10)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725948
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:00 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0428

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D			ug/kg		ug/kg	ug/kg	
10726	4-Chloro-3-methylphenol	59-50-7	N.D.		19	39	1
10726	4-Chloroaniline	106-47-8	N.D.		39	77	1
10726	bis(2-Chloroethoxy)methane	111-91-1	N.D.		19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	N.D.		19	39	1
10726	2-Chloronaphthalene	91-58-7	N.D.		8	38	1
10726	2-Chlorophenol	95-57-8	N.D.		19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	N.D.		19	39	1
10726	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.		19	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	Chrysene	218-01-9	17	J	4	20	1
10726	Dibenz(a,h)anthracene	53-70-3	N.D.		4	20	1
10726	Dibenzofuran	132-64-9	N.D.		19	39	1
10726	1,2-Dichlorobenzene	95-50-1	N.D.		19	39	1
10726	1,3-Dichlorobenzene	541-73-1	N.D.		19	39	1
10726	1,4-Dichlorobenzene	106-46-7	N.D.		19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	N.D.		120	390	1
10726	2,4-Dichlorophenol	120-83-2	N.D.		19	39	1
10726	Diethylphthalate	84-66-2	N.D.		77	190	1
10726	2,4-Dimethylphenol	105-67-9	N.D.		19	39	1
10726	Dimethylphthalate	131-11-3	N.D.		77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	N.D.		190	580	1
10726	2,4-Dinitrophenol	51-28-5	N.D.		350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	N.D.		77	190	1
10726	2,6-Dinitrotoluene	606-20-2	N.D.		19	39	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		77	200	1
10726	Fluoranthene	206-44-0	4	J	4	20	1
10726	Fluorene	86-73-7	N.D.		4	20	1
10726	Hexachlorobenzene	118-74-1	N.D.		4	20	1
10726	Hexachlorobutadiene	87-68-3	N.D.		19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	N.D.		190	580	1
10726	Hexachloroethane	67-72-1	N.D.		39	190	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		4	20	1
10726	Isophorone	78-59-1	N.D.		19	39	1
10726	2-Methylnaphthalene	91-57-6	N.D.		4	20	1
10726	2-Methylphenol	95-48-7	N.D.		19	39	1
10726	4-Methylphenol	106-44-5	N.D.		19	39	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	N.D.		4	20	1
10726	2-Nitroaniline	88-74-4	N.D.		19	39	1
10726	3-Nitroaniline	99-09-2	N.D.		77	190	1
10726	4-Nitroaniline	100-01-6	N.D.		77	190	1
10726	Nitrobenzene	98-95-3	N.D.		19	39	1
10726	2-Nitrophenol	88-75-5	N.D.		19	39	1
10726	4-Nitrophenol	100-02-7	N.D.		190	580	1
10726	N-Nitroso-di-n-propylamine	621-64-7	N.D.		19	39	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(5-10)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725948
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:00 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0428

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**	**ug/kg**	**ug/kg**	
10726	N-Nitrosodiphenylamine	86-30-6	N.D.	19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	Di-n-octylphthalate	117-84-0	N.D.	77	190	1
10726	Pentachlorophenol	87-86-5	N.D.	39	200	1
10726	Phenanthrene	85-01-8	7 J	4	20	1
10726	Phenol	108-95-2	N.D.	19	39	1
10726	Pyrene	129-00-0	9 J	4	20	1
10726	1,2,4-Trichlorobenzene	120-82-1	N.D.	19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	N.D.	19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	N.D.	19	39	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06944	Antimony	7440-36-0	1.13 J	0.551	1.58	1
06935	Arsenic	7440-38-2	5.08	0.764	1.58	1
06946	Barium	7440-39-3	49.3	0.0260	0.394	1
06947	Beryllium	7440-41-7	0.792	0.0528	0.394	1
06949	Cadmium	7440-43-9	0.0567 J	0.0386	0.394	1
01650	Calcium	7440-70-2	81,000	22.3	78.8	5
06951	Chromium	7440-47-3	21.5	0.110	1.18	1
06952	Cobalt	7440-48-4	9.51	0.0945	0.394	1
06953	Copper	7440-50-8	22.9	0.181	0.788	1
01654	Iron	7439-89-6	21,500	16.2	78.8	5
06955	Lead	7439-92-1	15.3	0.433	1.18	1
01657	Magnesium	7439-95-4	42,700	7.48	39.4	5
06958	Manganese	7439-96-5	528	0.0654	0.394	1
06961	Nickel	7440-02-0	24.5	0.236	0.788	1
01662	Potassium	7440-09-7	4,580	18.8	39.4	1
06936	Selenium	7782-49-2	1.53 J	0.709	1.58	1
06966	Silver	7440-22-4	N.D.	0.118	0.394	1
01667	Sodium	7440-23-5	316	18.8	78.8	1
06925	Thallium	7440-28-0	3.09	0.646	2.36	1
06971	Vanadium	7440-62-2	29.9	0.110	0.394	1
06972	Zinc	7440-66-6	47.2	0.536	1.58	1
	SW-846 7471A		**mg/kg**	**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0116 J	0.0108	0.108	1
Wet Chemistry	**SW-846 9045C modified**		**Std. Units**	**Std. Units**	**Std. Units**	
00394	pH (soil)	n.a.	8.23	0.0100	0.0100	1
	The pH was measured in water at 21.3 C.					
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	**%**	
00111	Moisture	n.a.	14.2	0.50	0.50	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(5-10)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725948
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:00 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0428

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2540 G-1997**		%	%	%	

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs - Solid by 8260B	SW-846 8260B	1	X163471AA	12/12/2016 14:29	Angela D Sneeringer	0.63
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201634043639	12/02/2016 11:00	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	1	201634043639	12/02/2016 11:00	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	2	201634043639	12/02/2016 11:00	Client Supplied	1
10726	TCL 8270 (microwave)	SW-846 8270D	1	16343SLA026	12/13/2016 00:37	Edward C Monborne	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	16343SLA026	12/08/2016 17:10	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
01650	Calcium	SW-846 6010B	1	163495708002	12/14/2016 20:56	Elaine F Stoltzfus	5
06951	Chromium	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
01654	Iron	SW-846 6010B	1	163495708002	12/14/2016 20:56	Elaine F Stoltzfus	5
06955	Lead	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
01657	Magnesium	SW-846 6010B	2	163495708002	12/14/2016 20:56	Elaine F Stoltzfus	5

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(5-10)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725948
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:00 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0428

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06958	Manganese	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
01662	Potassium	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	3	163495708002	12/15/2016 19:08	Cindy M Gehman	1
01667	Sodium	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	2	163495708002	12/14/2016 20:52	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	163415711002	12/07/2016 08:59	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	163495708002	12/07/2016 05:33	James L Mertz	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	163415711002	12/06/2016 18:55	JoElla L Rice	1
00394	pH (soil)	SW-846 9045C modified	1	16346039403A	12/11/2016 18:40	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	16344820005A	12/09/2016 11:16	Larry E Bevins	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(5-10)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725949
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:00 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0429

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.342	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.0013 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0026 J	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0066	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0101	0.0041	0.0100	1
01754	Iron	7439-89-6	N.D.	0.0747	0.200	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07058	Manganese	7439-96-5	1.74	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0088 J	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0076 J	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07046	Barium	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07047	Beryllium	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07049	Cadmium	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07051	Chromium	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07052	Cobalt	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07053	Copper	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
01754	Iron	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07055	Lead	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07061	Nickel	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07036	Selenium	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07066	Silver	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
07072	Zinc	SW-846 6010B	1	163495705001	12/15/2016 22:09	Cindy M Gehman	1
00259	Mercury	SW-846 7470A	1	163495713001	12/15/2016 08:02	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(5-10)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725949
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:00 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0429

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705001	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713001	12/14/2016 19:45	Barbara A Kane	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	16348-2486-947 A	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(5-10)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725950
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:00 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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300 Plaza Circle
Suite 202
Mundelein IL 60060

I0430

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	0.0129 J	0.0097	0.0200	1
07046	Barium	7440-39-3	0.0841	0.0011	0.0050	1
07047	Beryllium	7440-41-7	0.0012 J	0.00067	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0294	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0086	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0286	0.0041	0.0100	1
01754	Iron	7439-89-6	19.7	0.0747	0.200	1
07055	Lead	7439-92-1	0.0170	0.0062	0.0150	1
07058	Manganese	7439-96-5	0.120	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0232	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0434	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00016 J	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07047	Beryllium	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07052	Cobalt	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07053	Copper	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
01754	Iron	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
07072	Zinc	SW-846 6010B	1	163495705002	12/15/2016 07:15	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	163495713002	12/15/2016 08:08	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(5-10)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725950
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:00 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0430

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705002	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713002	12/14/2016 19:45	Barbara A Kane	1
01567	SPLP Non-volatile Extraction	SW-846 1312	1	16348-2486-1567	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(10-15)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725951
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:06 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0431

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	7	J	5	15	0.67
10237	Benzene	71-43-2	N.D.		0.4	4	0.67
10237	Bromodichloromethane	75-27-4	N.D.		0.8	4	0.67
10237	Bromoform	75-25-2	N.D.		0.8	4	0.67
10237	Bromomethane	74-83-9	N.D.		2	4	0.67
10237	2-Butanone	78-93-3	N.D.		3	8	0.67
10237	Carbon Disulfide	75-15-0	N.D.		0.8	4	0.67
10237	Carbon Tetrachloride	56-23-5	N.D.		0.8	4	0.67
10237	Chlorobenzene	108-90-7	N.D.		0.8	4	0.67
10237	Chloroethane	75-00-3	N.D.		2	4	0.67
10237	Chloroform	67-66-3	N.D.		0.8	4	0.67
10237	Chloromethane	74-87-3	N.D.		2	4	0.67
10237	Dibromochloromethane	124-48-1	N.D.		0.8	4	0.67
10237	1,1-Dichloroethane	75-34-3	N.D.		0.8	4	0.67
10237	1,2-Dichloroethane	107-06-2	N.D.		0.8	4	0.67
10237	1,1-Dichloroethene	75-35-4	N.D.		0.8	4	0.67
10237	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	4	0.67
10237	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	4	0.67
10237	1,2-Dichloropropane	78-87-5	N.D.		0.8	4	0.67
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.8	4	0.67
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.8	4	0.67
10237	Ethylbenzene	100-41-4	N.D.		0.8	4	0.67
10237	2-Hexanone	591-78-6	N.D.		2	8	0.67
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.4	4	0.67
10237	4-Methyl-2-pentanone	108-10-1	N.D.		2	8	0.67
10237	Methylene Chloride	75-09-2	N.D.		2	4	0.67
10237	Styrene	100-42-5	N.D.		0.8	4	0.67
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.8	4	0.67
10237	Tetrachloroethene	127-18-4	N.D.		0.8	4	0.67
10237	Toluene	108-88-3	N.D.		0.8	4	0.67
10237	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	4	0.67
10237	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	4	0.67
10237	Trichloroethene	79-01-6	N.D.		0.8	4	0.67
10237	Vinyl Chloride	75-01-4	N.D.		0.8	4	0.67
10237	Xylene (Total)	1330-20-7	N.D.		0.8	4	0.67
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	6	J	4	19	1
10726	Acenaphthylene	208-96-8	N.D.		4	19	1
10726	Anthracene	120-12-7	5	J	4	19	1
10726	Benzo(a)anthracene	56-55-3	N.D.		4	19	1
10726	Benzo(a)pyrene	50-32-8	N.D.		4	19	1
10726	Benzo(b)fluoranthene	205-99-2	7	J	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	14	J	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	N.D.		4	19	1
10726	4-Bromophenyl-phenylether	101-55-3	N.D.		19	38	1
10726	Butylbenzylphthalate	85-68-7	N.D.		76	190	1
10726	Di-n-butylphthalate	84-74-2	N.D.		76	190	1
10726	Carbazole	86-74-8	N.D.		19	38	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(10-15)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725951
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:06 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0431

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D			ug/kg		ug/kg	ug/kg	
10726	4-Chloro-3-methylphenol	59-50-7	N.D.		19	38	1
10726	4-Chloroaniline	106-47-8	N.D.		38	76	1
10726	bis(2-Chloroethoxy)methane	111-91-1	N.D.		19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	N.D.		19	38	1
10726	2-Chloronaphthalene	91-58-7	N.D.		8	38	1
10726	2-Chlorophenol	95-57-8	N.D.		19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	N.D.		19	38	1
10726	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.		19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	Chrysene	218-01-9	22		4	19	1
10726	Dibenz(a,h)anthracene	53-70-3	N.D.		4	19	1
10726	Dibenzofuran	132-64-9	N.D.		19	38	1
10726	1,2-Dichlorobenzene	95-50-1	N.D.		19	38	1
10726	1,3-Dichlorobenzene	541-73-1	N.D.		19	38	1
10726	1,4-Dichlorobenzene	106-46-7	N.D.		19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	N.D.		110	380	1
10726	2,4-Dichlorophenol	120-83-2	N.D.		19	38	1
10726	Diethylphthalate	84-66-2	N.D.		76	190	1
10726	2,4-Dimethylphenol	105-67-9	N.D.		19	38	1
10726	Dimethylphthalate	131-11-3	N.D.		76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	N.D.		190	570	1
10726	2,4-Dinitrophenol	51-28-5	N.D.		340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	N.D.		76	190	1
10726	2,6-Dinitrotoluene	606-20-2	N.D.		19	38	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		76	190	1
10726	Fluoranthene	206-44-0	6	J	4	19	1
10726	Fluorene	86-73-7	5	J	4	19	1
10726	Hexachlorobenzene	118-74-1	N.D.		4	19	1
10726	Hexachlorobutadiene	87-68-3	N.D.		19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	N.D.		190	570	1
10726	Hexachloroethane	67-72-1	N.D.		38	190	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		4	19	1
10726	Isophorone	78-59-1	N.D.		19	38	1
10726	2-Methylnaphthalene	91-57-6	5	J	4	19	1
10726	2-Methylphenol	95-48-7	N.D.		19	38	1
10726	4-Methylphenol	106-44-5	N.D.		19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	N.D.		4	19	1
10726	2-Nitroaniline	88-74-4	N.D.		19	38	1
10726	3-Nitroaniline	99-09-2	N.D.		76	190	1
10726	4-Nitroaniline	100-01-6	N.D.		76	190	1
10726	Nitrobenzene	98-95-3	N.D.		19	38	1
10726	2-Nitrophenol	88-75-5	N.D.		19	38	1
10726	4-Nitrophenol	100-02-7	N.D.		190	570	1
10726	N-Nitroso-di-n-propylamine	621-64-7	N.D.		19	38	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(10-15)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725951
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:06 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0431

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**	**ug/kg**	**ug/kg**	
10726	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	Di-n-octylphthalate	117-84-0	N.D.	76	190	1
10726	Pentachlorophenol	87-86-5	N.D.	38	190	1
10726	Phenanthrene	85-01-8	15 J	4	19	1
10726	Phenol	108-95-2	N.D.	19	38	1
10726	Pyrene	129-00-0	10 J	4	19	1
10726	1,2,4-Trichlorobenzene	120-82-1	N.D.	19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06944	Antimony	7440-36-0	1.93 J	0.788	2.25	1
06935	Arsenic	7440-38-2	6.73	1.09	2.25	1
06946	Barium	7440-39-3	56.5	0.0371	0.563	1
06947	Beryllium	7440-41-7	0.826	0.0754	0.563	1
06949	Cadmium	7440-43-9	0.131 J	0.0552	0.563	1
01650	Calcium	7440-70-2	78,900	31.9	113	5
06951	Chromium	7440-47-3	22.7	0.158	1.69	1
06952	Cobalt	7440-48-4	11.0	0.135	0.563	1
06953	Copper	7440-50-8	23.8	0.259	1.13	1
01654	Iron	7439-89-6	22,700	4.64	22.5	1
06955	Lead	7439-92-1	15.3	0.619	1.69	1
01657	Magnesium	7439-95-4	42,100	2.14	11.3	1
06958	Manganese	7439-96-5	522	0.0934	0.563	1
06961	Nickel	7440-02-0	27.0	0.338	1.13	1
01662	Potassium	7440-09-7	4,770	26.9	56.3	1
06936	Selenium	7782-49-2	1.55 J	1.01	2.25	1
06966	Silver	7440-22-4	N.D.	0.169	0.563	1
01667	Sodium	7440-23-5	310	26.9	113	1
06925	Thallium	7440-28-0	2.53 J	0.923	3.38	1
06971	Vanadium	7440-62-2	30.6	0.158	0.563	1
06972	Zinc	7440-66-6	53.7	0.765	2.25	1
	SW-846 7471A		**mg/kg**	**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0121 J	0.0106	0.106	1
Wet Chemistry	**SW-846 9045C modified**		**Std. Units**	**Std. Units**	**Std. Units**	
00394	pH (soil)	n.a.	8.36	0.0100	0.0100	1
	The pH was measured in water at 21.2 C.					
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	**%**	
00111	Moisture	n.a.	12.9	0.50	0.50	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(10-15)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725951
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:06 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0431

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2540 G-1997**		%	%	%	

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs - Solid by 8260B	SW-846 8260B	1	X163471AA	12/12/2016 14:52	Angela D Sneeringer	0.67
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201634043639	12/02/2016 11:06	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	1	201634043639	12/02/2016 11:06	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	2	201634043639	12/02/2016 11:06	Client Supplied	1
10726	TCL 8270 (microwave)	SW-846 8270D	1	16343SLA026	12/13/2016 01:03	Edward C Monborne	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	16343SLA026	12/08/2016 17:10	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
01650	Calcium	SW-846 6010B	1	163495708002	12/14/2016 21:02	Elaine F Stoltzfus	5
06951	Chromium	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
01654	Iron	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
01657	Magnesium	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(10-15)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725951
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:06 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0431

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06958	Manganese	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
01662	Potassium	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	3	163495708002	12/15/2016 19:18	Cindy M Gehman	1
01667	Sodium	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	2	163495708002	12/14/2016 20:59	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	163415711002	12/07/2016 09:02	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	163495708002	12/07/2016 05:33	James L Mertz	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	163415711002	12/06/2016 18:55	JoElla L Rice	1
00394	pH (soil)	SW-846 9045C modified	1	16346039403A	12/11/2016 18:40	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	16344820005A	12/09/2016 11:16	Larry E Bevins	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(10-15)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725952
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:06 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
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Mundelein IL 60060

I0432

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.650	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.00056 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0027 J	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0303	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0141	0.0041	0.0100	1
01754	Iron	7439-89-6	N.D.	0.0747	0.200	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07058	Manganese	7439-96-5	2.63	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0554	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0353	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07046	Barium	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07047	Beryllium	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07049	Cadmium	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07051	Chromium	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07052	Cobalt	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07053	Copper	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
01754	Iron	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07055	Lead	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07061	Nickel	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07036	Selenium	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07066	Silver	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
07072	Zinc	SW-846 6010B	1	163495705001	12/15/2016 22:13	Cindy M Gehman	1
00259	Mercury	SW-846 7470A	1	163495713001	12/15/2016 08:05	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(10-15)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725952
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:06 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0432

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705001	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713001	12/14/2016 19:45	Barbara A Kane	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	16348-2486-947 A	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(10-15)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725953
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:06 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0433

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.0392	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0047 J	0.0018	0.0150	1
07052	Cobalt	7440-48-4	N.D.	0.0019	0.0050	1
07053	Copper	7440-50-8	N.D.	0.0041	0.0100	1
01754	Iron	7439-89-6	1.80	0.0747	0.200	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07058	Manganese	7439-96-5	0.0236	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0032 J	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	N.D.	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000064 J	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	163495705002	12/15/2016 16:39	Cindy M Gehman	1
07047	Beryllium	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
07052	Cobalt	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
07053	Copper	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
01754	Iron	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
07072	Zinc	SW-846 6010B	1	163495705002	12/15/2016 07:18	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	163495713002	12/15/2016 08:10	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-4(10-15)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725953
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 11:06 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0433

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705002	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713002	12/14/2016 19:45	Barbara A Kane	1
01567	SPLP Non-volatile Extraction	SW-846 1312	1	16348-2486-1567	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Environmental Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories Environmental use only
Acct. # 11924 Group # 1739913 Sample # 8725921-53

COC # 515597

Client Information

Client: Weston Solutions
Acct. #:
Project Name/#: IDOT 052
PWSID #:
Project Manager: Megan M
P.O. #:
Sampler: A. Tuchalz
Quote #:
State where samples were collected: IL
For Compliance: Yes ☐ No ☐

Matrix

Soil ☒ Sediment ☐ Tissue ☐ Water ☐ Potable ☐ Ground ☐ NPDES ☐ Surface ☐ Other: ____

Analysis Requested

Preservation Codes: 0

For Lab Use Only
FSC:
SCR#: 198242

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

Remarks
COC 1 of 2

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	VOC	SVOC	Total Metals	TCLP/SPLP metals	pH
SL-1(0-5)-120216	12/2/16	0930	X		4	X	X	X	X	X
SL-1(0-5)-120216D		0930	X		4	X	X	X	X	X
SL-2(0-5)-120216		0950	X		4	X	X	X	X	X
SL-3(0-5)-120216		1000	X		4	X	X	X	X	X
SL-3(5-10)-120216		1003	X		4	X	X	X	X	X
SL-3(10-15)-120216		1006	X		4	X	X	X	X	X
SL-5(0-5)-120216		1028	X		4	X	X	X	X	X
SL-6(0-5)-120216		1040	X		4	X	X	X	X	X
SL-4(0-5)-120216		1055	X		4	X	X	X	X	X
SL-4(5-10)-120216	12/2/16	1100	X		4	X	X	X	X	X

Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: _____

E-mail address: _____

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) NJ DKQP TX TRRP-13
NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
Edwin Hernandez	11/23/16	1635		11/29/16	1300
	12/2/16	1500			
				12/3/16	0935

EDD Required? Yes No
If yes, format: _____

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____

Temperature upon receipt 1.0-1.3 °C

Environmental Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories Environmental use only

Acct. # 11924 Group # 1734973 Sample # 8725921-53

COC #514885

Client Information

Client: Weston Solutions

Acct. #:

Project Name/#: IDOT 050-Cayslake

PWSID #:

Project Manager: Megan M

P.O. #:

Sampler: A. Turkasz

Quote #:

State where samples were collected: IL

For Compliance: Yes ☐ No ☐

Matrix

Soil ☒ Sediment ☐ Tissue ☐ Water ☐ Potable ☐ Ground ☐ NPDES ☐ Surface ☐ Other: ____

Analysis Requested

Preservation Codes

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	VOC	SVOC	Total Metals	TCLP/SPLP metals	PAH
SL-4(10-15)-120216	12/2/16	1106	X		9	X	X	X	X	X

AT

For Lab Use Only

FSC:

SCR#:

Preservation Codes

H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

Remarks

CoC 2 of 2

Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: _____

E-mail address: _____

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)

Type III (Reduced non-CLP) NJ DKQP TX TRRP-13

NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
	12/2/16	1500			
				12/3/16	0935

EDD Required? Yes No

If yes, format: _____

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS _____ FedEx X Other _____

Temperature upon receipt 1.0-1.3 °C

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	none detected
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…
W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL REPORT

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

Laboratory Job ID: 500-176711-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
1/31/2020 6:08:03 PM

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

LINKS

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: SQ-2(0-5)-012120

Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-8

Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0	0.68	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,1,2-Trichloroethane	<2.0		2.0	0.87	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,1-Dichloroethane	<2.0		2.0	0.70	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,1-Dichloroethene	<2.0		2.0	0.70	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,2-Dichloroethane	<5.1		5.1	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,2-Dichloropropane	<2.0		2.0	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,3-Dichloropropene, Total	<2.0		2.0	0.72	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
2-Hexanone	<5.1		5.1	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Acetone	**140**		20	8.9	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Benzene	<2.0		2.0	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Bromodichloromethane	<2.0		2.0	0.41	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Bromoform	<2.0		2.0	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Bromomethane	<5.1		5.1	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Carbon disulfide	<5.1		5.1	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Carbon tetrachloride	<2.0		2.0	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Chlorobenzene	<2.0		2.0	0.75	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Chloroethane	<5.1		5.1	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Chloroform	<2.0		2.0	0.71	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Chloromethane	<5.1		5.1	2.0	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
cis-1,2-Dichloroethene	<2.0		2.0	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
cis-1,3-Dichloropropene	<2.0		2.0	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Dibromochloromethane	<2.0		2.0	0.67	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Ethylbenzene	<2.0		2.0	0.98	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Methyl Ethyl Ketone	**12**		5.1	2.3	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
methyl isobutyl ketone	<5.1		5.1	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Methyl tert-butyl ether	<2.0		2.0	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Methylene Chloride	<5.1		5.1	2.0	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Styrene	<2.0		2.0	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Tetrachloroethene	<2.0		2.0	0.69	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Toluene	<2.0		2.0	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
trans-1,2-Dichloroethene	<2.0		2.0	0.90	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
trans-1,3-Dichloropropene	<2.0		2.0	0.72	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Trichloroethene	<2.0		2.0	0.69	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Vinyl chloride	<2.0		2.0	0.90	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Xylenes, Total	<4.1		4.1	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/22/20 17:10*	*01/30/20 07:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 131*	*01/22/20 17:10*	*01/30/20 07:36*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*01/22/20 17:10*	*01/30/20 07:36*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*01/22/20 17:10*	*01/30/20 07:36*	*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	☼	01/28/20 18:33	01/29/20 20:11	1
1,2-Dichlorobenzene	<210		210	51	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176711-1

Client Sample ID: SQ-2(0-5)-012120
Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-8
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	96	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Methylnaphthalene	<85		85	7.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Methylphenol	<210		210	68	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4,6-Dinitro-2-methylphenol	<850		850	340	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Nitrophenol	<850	*	850	400	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Acenaphthene	<42		42	7.6	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Acenaphthylene	**27**	**J**	42	5.6	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Anthracene	**7.7**	**J**	42	7.1	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Benzo[a]anthracene	**32**	**J**	42	5.7	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Benzo[a]pyrene	**76**		42	8.2	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Benzo[b]fluoranthene	**80**		42	9.1	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Benzo[g,h,i]perylene	**48**		42	14	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Benzo[k]fluoranthene	**28**	**J**	42	12	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Carbazole	<210		210	110	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Chrysene	**45**		42	12	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Dibenz(a,h)anthracene	**15**	**J**	42	8.2	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Dibenzofuran	<210		210	49	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Fluoranthene	**58**		42	7.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Fluorene	<42		42	5.9	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Hexachlorobenzene	<85		85	9.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Hexachloroethane	<210		210	64	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176711-1

Client Sample ID: SQ-2(0-5)-012120
Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-8
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**44**		42	11	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Isophorone	<210		210	47	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Naphthalene	<42		42	6.5	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Nitrobenzene	<42		42	11	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
N-Nitrosodi-n-propylamine	<85		85	52	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Pentachlorophenol	<850		850	680	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Phenanthrene	**10**	**J**	42	5.9	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Phenol	<210		210	94	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Pyrene	**32**	**J**	42	8.4	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*102*		*31 - 143*	*01/28/20 18:33*	*01/29/20 20:11*	*1*
2-Fluorobiphenyl	*67*		*43 - 145*	*01/28/20 18:33*	*01/29/20 20:11*	*1*
2-Fluorophenol	*72*		*31 - 166*	*01/28/20 18:33*	*01/29/20 20:11*	*1*
Nitrobenzene-d5	*61*		*37 - 147*	*01/28/20 18:33*	*01/29/20 20:11*	*1*
Phenol-d5	*60*		*30 - 153*	*01/28/20 18:33*	*01/29/20 20:11*	*1*
Terphenyl-d14	*112*		*42 - 157*	*01/28/20 18:33*	*01/29/20 20:11*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		01/29/20 15:09	01/30/20 12:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/29/20 15:09	01/30/20 12:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:09	01/30/20 12:28	1
Chromium	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Cobalt	**0.021**	**J**	0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Copper	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Iron	<0.40		0.40	0.20	mg/L		01/29/20 15:09	01/30/20 12:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/29/20 15:09	01/30/20 12:28	1
Manganese	**6.6**		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:09	01/30/20 12:28	1
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Zinc	**0.055**	**J B**	0.50	0.020	mg/L		01/29/20 15:09	01/30/20 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.069**		0.050	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Barium	**0.71**		0.50	0.050	mg/L		01/29/20 15:05	01/30/20 16:14	1
Beryllium	**0.011**		0.0040	0.0040	mg/L		01/29/20 15:05	01/30/20 16:14	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		01/29/20 15:05	01/30/20 16:14	1
Chromium	**0.23**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Cobalt	**0.088**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Copper	**0.21**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Iron	**200**		0.40	0.20	mg/L		01/29/20 15:05	01/30/20 16:14	1
Lead	**0.11**		0.0075	0.0075	mg/L		01/29/20 15:05	01/30/20 16:14	1
Manganese	**2.6**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Nickel	**0.23**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:05	01/30/20 16:14	1

Client Sample ID: SQ-2(0-5)-012120

Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-8

Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.013	J	0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Zinc	0.49	J ^	0.50	0.020	mg/L		01/29/20 15:05	01/30/20 16:14	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	☼	01/24/20 07:31	01/25/20 03:16	1
Arsenic	5.8		0.60	0.21	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Barium	89		0.60	0.069	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Beryllium	1.0		0.24	0.056	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Cadmium	0.25		0.12	0.022	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Calcium	7900	B	12	2.1	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Chromium	22		0.60	0.30	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Cobalt	11		0.30	0.079	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Copper	23		0.60	0.17	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Iron	20000		12	6.3	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Lead	20		0.30	0.14	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Magnesium	6800		6.0	3.0	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Manganese	340		0.60	0.088	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Nickel	30		0.60	0.18	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Potassium	2900		30	11	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Selenium	0.60		0.60	0.36	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Silver	3.8		0.30	0.078	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Sodium	2800		60	9.0	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Thallium	0.30	J	0.60	0.30	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Vanadium	30		0.30	0.071	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Zinc	73		1.2	0.53	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.59		0.33	0.33	ug/L		01/30/20 10:35	01/31/20 09:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	29		20	6.8	ug/Kg	☼	01/29/20 14:20	01/30/20 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			01/28/20 18:11	1

Client Sample ID: SQ-2(0-5)-012120D

Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-9

Matrix: Solid
Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,1,2-Trichloroethane	<1.8		1.8	0.78	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,1-Dichloroethane	<1.8		1.8	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,1-Dichloroethene	<1.8		1.8	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,2-Dichloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,3-Dichloropropene, Total	<1.8		1.8	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Acetone	**40**		18	7.9	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Benzene	<1.8		1.8	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Bromomethane	<4.6		4.6	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Carbon disulfide	<4.6		4.6	0.95	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Carbon tetrachloride	<1.8		1.8	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Chlorobenzene	<1.8		1.8	0.67	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Chloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Chloromethane	<4.6		4.6	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Dibromochloromethane	<1.8		1.8	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Ethylbenzene	<1.8		1.8	0.87	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Methyl Ethyl Ketone	**11**		4.6	2.0	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
methyl isobutyl ketone	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Methyl tert-butyl ether	<1.8		1.8	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Methylene Chloride	<4.6		4.6	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
trans-1,2-Dichloroethene	<1.8		1.8	0.81	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
trans-1,3-Dichloropropene	<1.8		1.8	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Trichloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Vinyl chloride	<1.8		1.8	0.81	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/22/20 17:10*	*01/30/20 08:02*	*1*
4-Bromofluorobenzene (Surr)	*107*		*75 - 131*	*01/22/20 17:10*	*01/30/20 08:02*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*01/22/20 17:10*	*01/30/20 08:02*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*01/22/20 17:10*	*01/30/20 08:02*	*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	☼	01/28/20 18:33	01/29/20 20:38	1
1,2-Dichlorobenzene	<210		210	51	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1

Client Sample ID: SQ-2(0-5)-012120D
Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-9
Matrix: Solid
Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	97	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,4-Dinitrophenol	<850		850	750	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Methylnaphthalene	<85		85	7.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Methylphenol	<210		210	68	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
3 & 4 Methylphenol	<210		210	71	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4,6-Dinitro-2-methylphenol	<850		850	340	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Nitrophenol	<850	*	850	400	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Acenaphthene	<42		42	7.6	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Acenaphthylene	**51**		42	5.6	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Anthracene	**17**	**J**	42	7.1	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Benzo[a]anthracene	**82**		42	5.7	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Benzo[a]pyrene	**190**		42	8.2	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Benzo[b]fluoranthene	**220**		42	9.1	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Benzo[g,h,i]perylene	**120**		42	14	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Benzo[k]fluoranthene	**72**		42	12	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Butyl benzyl phthalate	<210		210	81	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Carbazole	<210		210	110	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Chrysene	**110**		42	12	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Dibenz(a,h)anthracene	**33**	**J**	42	8.2	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Dibenzofuran	<210		210	50	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Fluoranthene	**84**		42	7.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Fluorene	<42		42	5.9	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Hexachlorobenzene	<85		85	9.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Hexachloroethane	<210		210	64	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1

Client Sample ID: SQ-2(0-5)-012120D

Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-9

Matrix: Solid
Percent Solids: 78.3

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	**110**		42	11	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Isophorone	<210		210	48	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Naphthalene	<42		42	6.5	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Nitrobenzene	<42		42	11	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
N-Nitrosodi-n-propylamine	<85		85	52	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Pentachlorophenol	<850		850	680	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Phenanthrene	**13**	**J**	42	5.9	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Phenol	<210		210	94	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Pyrene	**69**		42	8.4	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*115*		*31 - 143*	*01/28/20 18:33*	*01/29/20 20:38*	*1*
2-Fluorobiphenyl	*81*		*43 - 145*	*01/28/20 18:33*	*01/29/20 20:38*	*1*
2-Fluorophenol	*84*		*31 - 166*	*01/28/20 18:33*	*01/29/20 20:38*	*1*
Nitrobenzene-d5	*73*		*37 - 147*	*01/28/20 18:33*	*01/29/20 20:38*	*1*
Phenol-d5	*69*		*30 - 153*	*01/28/20 18:33*	*01/29/20 20:38*	*1*
Terphenyl-d14	*125*		*42 - 157*	*01/28/20 18:33*	*01/29/20 20:38*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		01/29/20 15:09	01/30/20 12:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/29/20 15:09	01/30/20 12:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:09	01/30/20 12:33	1
Chromium	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Copper	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Iron	<0.40		0.40	0.20	mg/L		01/29/20 15:09	01/30/20 12:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/29/20 15:09	01/30/20 12:33	1
Manganese	**5.7**		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Nickel	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:09	01/30/20 12:33	1
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Zinc	**0.43**	**J B**	0.50	0.020	mg/L		01/29/20 15:09	01/30/20 12:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.093**		0.050	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Barium	**0.94**		0.50	0.050	mg/L		01/29/20 15:05	01/30/20 16:18	1
Beryllium	**0.014**		0.0040	0.0040	mg/L		01/29/20 15:05	01/30/20 16:18	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		01/29/20 15:05	01/30/20 16:18	1
Chromium	**0.31**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Cobalt	**0.12**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Copper	**0.29**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Iron	**280**		0.40	0.20	mg/L		01/29/20 15:05	01/30/20 16:18	1
Lead	**0.15**		0.0075	0.0075	mg/L		01/29/20 15:05	01/30/20 16:18	1
Manganese	**4.3**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Nickel	**0.33**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:05	01/30/20 16:18	1

Client Sample ID: SQ-2(0-5)-012120D

Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-9

Matrix: Solid
Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.017	J	0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Zinc	0.50		0.50	0.020	mg/L		01/29/20 15:05	01/31/20 10:53	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	☼	01/24/20 07:31	01/25/20 03:20	1
Arsenic	5.1		0.62	0.21	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Barium	96		0.62	0.071	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Beryllium	0.93		0.25	0.058	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Cadmium	0.28		0.12	0.022	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Calcium	4900	B	12	2.1	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Chromium	21		0.62	0.31	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Cobalt	9.3		0.31	0.081	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Copper	22		0.62	0.17	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Iron	18000		12	6.4	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Lead	20		0.31	0.14	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Magnesium	4500		6.2	3.1	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Manganese	250		0.62	0.090	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Nickel	26		0.62	0.18	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Potassium	3000		31	11	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Selenium	0.48	J	0.62	0.36	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Silver	3.5		0.31	0.080	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Sodium	3200		62	9.2	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Vanadium	28		0.31	0.073	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Zinc	73		1.2	0.54	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	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		01/30/20 10:35	01/31/20 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.63		0.50	0.50	ug/L		01/30/20 10:35	01/31/20 09:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26	F1 F2	20	6.8	ug/Kg	☼	01/29/20 14:20	01/30/20 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			01/28/20 18:14	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176711-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-176711 COC

(optional)
Report To
Contact: Andrus Siesers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176711
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 45,43,5.6

Client: Weston Solutions, Inc
Client Project #: 02056.016.009
Project Name: IDOT Grayslake
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D+Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		AL44-10(0-3)-012120	1/21/20	1520	5	S	X	X	X	X	X					
2		CP24-1(0-4)-012120		1510												
3		CP24-2(0-4)-012120		1505												
4		CB23-1(0-4)-012120		1450												
5		R39-1(0-4)-012120		1435												
6		R42-1(0-5)-012120		1420												
7		R42-2(0-5)-012120		1410												
8		SQ-2(0-5)-012120		1400												
9		SQ-2(0-5)-012120D		1400												
10		CM-4(0-3)-012120		1325												

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
[signature]	Weston	1/21/20	1700	[signature]	Weston	1-21-20	1700
[signature]	Weston	1-22-20	1115	[signature]	TA	1-22-20	1115
[signature]	TA	1-22-20	1415	[signature]	TACHI	1/22/20	1415

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
Some T-kits have gray vial, and some do not. MD verified that this is ok with QW.

Lab Comments:

TAL-4124-500 (1209)

1/31/2020

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-177067-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
2/17/2020 12:12:47 PM

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

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177067-1

Client Sample ID: SQ-1(0-5)-012820
Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1
Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Acetone	**49**		17	7.5	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Carbon disulfide	<4.3		4.3	0.89	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*	*01/29/20 18:00*	*02/06/20 19:34*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*01/29/20 18:00*	*02/06/20 19:34*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*01/29/20 18:00*	*02/06/20 19:34*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/29/20 18:00*	*02/06/20 19:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1

Client Sample ID: SQ-1(0-5)-012820
Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1
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	<370		370	84	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dimethylphenol	<370	*	370	140	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Methylnaphthalene	<74	*	74	6.8	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Methylphenol	<190		190	59	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Anthracene	<37		37	6.2	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Carbazole	<190		190	92	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Chrysene	<37		37	10	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Dibenzofuran	<190		190	43	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Fluoranthene	<37		37	6.8	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Fluorene	<37		37	5.2	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachlorobenzene	<74		74	8.6	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachloroethane	<190		190	56	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1

Client Sample ID: SQ-1(0-5)-012820

Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1

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	<37		37	9.6	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Isophorone	<190		190	41	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Naphthalene	<37		37	5.7	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Phenanthrene	<37		37	5.1	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Phenol	<190		190	82	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Pyrene	<37		37	7.3	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*31 - 143*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
2-Fluorobiphenyl	*82*		*43 - 145*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
2-Fluorophenol	*123*		*31 - 166*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
Nitrobenzene-d5	*89*		*37 - 147*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
Phenol-d5	*102*		*30 - 153*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
Terphenyl-d14	*106*		*42 - 157*	*02/06/20 07:36*	*02/06/20 22:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		02/10/20 06:33	02/10/20 17:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/10/20 06:33	02/10/20 17:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/10/20 06:33	02/10/20 17:41	1
Chromium	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Cobalt	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Copper	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Iron	<0.40		0.40	0.20	mg/L		02/10/20 06:33	02/10/20 17:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/10/20 06:33	02/10/20 17:41	1
Manganese	**0.66**		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Nickel	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Selenium	<0.050	*	0.050	0.020	mg/L		02/10/20 06:33	02/10/20 17:41	1
Silver	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Zinc	**0.052**	**J B ***	0.50	0.020	mg/L		02/10/20 06:33	02/10/20 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.076**		0.050	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		02/08/20 16:47	02/10/20 12:19	1
Beryllium	**0.0071**		0.0040	0.0040	mg/L		02/08/20 16:47	02/10/20 12:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:47	02/10/20 12:19	1
Chromium	**0.15**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Cobalt	**0.048**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Copper	**0.20**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Iron	**160**		0.40	0.20	mg/L		02/08/20 16:47	02/10/20 12:19	1
Lead	**0.097**		0.0075	0.0075	mg/L		02/08/20 16:47	02/10/20 12:19	1
Manganese	**0.63**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Nickel	**0.19**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:47	02/10/20 12:19	1

Client Sample ID: SQ-1(0-5)-012820

Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1

Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Zinc	**0.60**	**B**	0.50	0.020	mg/L		02/08/20 16:47	02/10/20 12:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.50**	**J F1**	1.0	0.20	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Arsenic	**6.1**		0.52	0.18	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Barium	**39**		0.52	0.060	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Beryllium	**0.73**		0.21	0.049	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Cadmium	**0.22**	**B**	0.10	0.019	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Calcium	**70000**	**B**	100	18	mg/Kg	☼	02/04/20 07:16	02/05/20 16:25	10
Chromium	**17**		0.52	0.26	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Cobalt	**10**		0.26	0.069	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Copper	**21**		0.52	0.15	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Iron	**16000**		10	5.5	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Lead	**11**		0.26	0.12	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Magnesium	**30000**	**B**	5.2	2.6	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Manganese	**360**		0.52	0.076	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Nickel	**29**		0.52	0.15	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Potassium	**3100**		26	9.3	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Selenium	<0.52		0.52	0.31	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Silver	**2.5**		0.26	0.068	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Sodium	**350**		52	7.8	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Vanadium	**21**		0.26	0.062	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Zinc	**59**		1.0	0.46	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/14/20 10:35	02/15/20 11:43	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		02/14/20 10:35	02/15/20 12:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**18**		18	6.0	ug/Kg	☼	02/13/20 16:05	02/14/20 11:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			02/04/20 16:27	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177067-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
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)

TestAmerica

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2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-177067 COC

Chain of Custody Record

Lab Job #: 500-177067

Chain of Custody Number:

Page ____ of ____

Temperature °C of Cooler: 4.0

Report To (optional)		Bill To (optional)	
Contact:	Andrew Siegers	Contact:	SAME
Company:	Weston Solutions, Inc.	Company:	
Address:	300 Plaza Circle Ste 202	Address:	
Address:	Mundelein, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:	—	Fax:	
E-Mail:	Andrew.Siegers@WestonSolutions.com	PO# Reference#	

Client	Weston Solutions, Inc.
Client Project #	02056.016.009
Project Name	IDOT ~~Chem~~ Grayslake, IL
Project Location/State	Grayslake, IL
Lab Project #	
Sampler	Max Dehro
Lab PM	Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		SQ-1(0-5)-012820	1/28/20	0950	6	S	x	x	x	x	x					
2		CB43-1(0-2)-012820	1/28/20	0945	6	S	x	x	x	x	x					

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
[signature]	Weston Sol.	1/28/20	1345	Tayler Oberman	Weston	1/28/20	1350
Tayler Oberman	Weston	1/29/20	1030	[signature]	TA	1/29/20	1030
[signature]	TA	1/29/20	1335	[signature]	TA CRI	1/29/20	1335

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments

TAL-4124-500 (1209)

2/17/2020

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 500-221122-1
Client Project/Site: IDOT - Grayslake - WO 009C

For:
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Attn: Mr. Andris Slesers

Authorized for release by:
9/1/2022 1:49:19 PM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@et.eurofinsus.com

LINKS

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www.eurofinsus.com/Env

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: SQ-1(5-8)-081822

Date Collected: 08/18/22 13:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-16

Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0086	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Chlorobenzene	<0.0020		0.0020	0.00073	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,1-Dichloroethane	<0.0020		0.0020	0.00068	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,2-Dichloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,1-Dichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Ethylbenzene	<0.0020		0.0020	0.00095	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
2-Hexanone	<0.0050		0.0050	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00088	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00085	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Vinyl chloride	<0.0020		0.0020	0.00088	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Xylenes, Total	<0.0040		0.0040	0.00063	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*75 - 131*	*08/19/22 17:50*	*08/26/22 13:53*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 126*	*08/19/22 17:50*	*08/26/22 13:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 134*	*08/19/22 17:50*	*08/26/22 13:53*	*1*
Toluene-d8 (Surr)	*110*		*75 - 124*	*08/19/22 17:50*	*08/26/22 13:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1

Client Sample ID: SQ-1(5-8)-081822
Date Collected: 08/18/22 13:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-16
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.084	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Chlorophenol	<0.18	*+	0.18	0.063	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Methylnaphthalene	<0.074		0.074	0.0067	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Nitrophenol	<0.36		0.36	0.087	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Acenaphthene	<0.036		0.036	0.0066	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Benzo[a]anthracene	**0.025**	**J**	0.036	0.0049	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Benzo[a]pyrene	**0.041**		0.036	0.0071	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Benzo[b]fluoranthene	**0.054**		0.036	0.0079	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Benzo[g,h,i]perylene	**0.027**	**J**	0.036	0.012	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Benzo[k]fluoranthene	**0.028**	**J**	0.036	0.011	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Chrysene	**0.056**		0.036	0.010	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Fluoranthene	**0.076**		0.036	0.0068	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Fluorene	<0.036		0.036	0.0052	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1

Client Sample ID: SQ-1(5-8)-081822

Date Collected: 08/18/22 13:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-16

Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.015**	**J**	0.036	0.0095	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Nitrobenzene	<0.036		0.036	0.0092	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Phenanthrene	**0.041**		0.036	0.0051	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Phenol	<0.18		0.18	0.082	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Pyrene	**0.073**		0.036	0.0073	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*31 - 143*	*08/30/22 06:40*	*09/01/22 00:51*	*1*
2-Fluorobiphenyl (Surr)	*89*		*43 - 145*	*08/30/22 06:40*	*09/01/22 00:51*	*1*
2-Fluorophenol (Surr)	*110*		*31 - 166*	*08/30/22 06:40*	*09/01/22 00:51*	*1*
Nitrobenzene-d5 (Surr)	*69*		*37 - 147*	*08/30/22 06:40*	*09/01/22 00:51*	*1*
Phenol-d5 (Surr)	*100*		*30 - 153*	*08/30/22 06:40*	*09/01/22 00:51*	*1*
Terphenyl-d14 (Surr)	*112*		*42 - 157*	*08/30/22 06:40*	*09/01/22 00:51*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.014**	**J**	0.050	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 19:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 19:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 19:24	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 19:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/29/22 19:24	1
Manganese	**1.2**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Nickel	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 19:24	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Zinc	<0.50	*+ ^+	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 19:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.037**	**J**	0.050	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		08/26/22 16:40	08/29/22 18:15	1
Beryllium	**0.0048**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 18:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 18:15	1
Chromium	**0.11**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Cobalt	**0.047**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Copper	**0.17**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Iron	**100**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 18:15	1
Lead	**0.046**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 18:15	1
Manganese	**0.49**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Nickel	**0.17**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 18:15	1

Client Sample ID: SQ-1(5-8)-081822
Date Collected: 08/18/22 13:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-16
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Zinc	**0.34**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/30/22 12:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6700**		11	4.4	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Antimony	**0.35**	**J**	1.1	0.21	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Arsenic	**5.1**		0.54	0.18	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Barium	**28**		0.54	0.062	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Beryllium	**0.55**		0.22	0.050	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Cadmium	**0.058**	**J**	0.11	0.019	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Calcium	**73000**	**B**	54	9.2	mg/Kg	☼	08/25/22 15:32	08/29/22 11:25	5
Chromium	**12**		0.54	0.27	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Cobalt	**9.6**		0.27	0.071	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Copper	**21**		0.54	0.15	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Iron	**14000**		11	5.6	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Lead	**11**		0.27	0.12	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Magnesium	**31000**	**B**	5.4	2.7	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Manganese	**360**		0.54	0.078	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Nickel	**25**		0.54	0.16	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Potassium	**1500**		27	9.6	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Silver	**0.19**	**J**	0.27	0.070	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Sodium	**210**		54	8.0	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Vanadium	**14**		0.27	0.064	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Zinc	**52**		1.1	0.47	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**		0.017	0.0058	mg/Kg	☼	08/25/22 14:50	08/26/22 08:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**		0.2	0.2	SU			08/24/22 17:15	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-221122-1
Project/Site: IDOT - Grayslake - WO 009C

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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 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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Chain of Custody Record

520894

eurofins

Environment Testing
TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sievers	Site Contact	Date	COC No
Company Name	Tel/Email	Lab Contact	Carrier	1 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler
City/State Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grays Lake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

500-221122 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOC	SVOC	Total Metals	TCLP Metals	SPLP Metals	pH	Sample Specific Notes
1	AL44-2(3-5)-081822	8/18/22	955	G	S	5			X	X	X	X	X	X	
2	AL44-2(5-10)-081822	↓	1025	↓	↓	↓			↓	↓	↓	↓	↓	↓	
3	AL44-2(10-15)-081822		1035												
4	AL44-3(2-5)-081822		1050												
5	AL44-3(5-10)-081822		1055												
6	AL44-3(5-10)-081822D		1100												
7	AL44-3(10-15)-081822		1105												
8	AL44-4(7-11)-081822		1115												
9	AL44-4(11-15)-081822		1120												
10	AL44-5(7-11)-081822		1130												
11	AL44-5(11-15)-081822		1135												
12	AL44-6(2-5)-081822	↓	1205	↓	↓	↓			↓	↓	↓	↓	↓	↓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

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

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

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

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

Special Instructions/QC Requirements & Comments:

3.2+1.2, 95+25

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

	Relinquished by	Company	Date/Time	Received by	Company	Date/Time
1		Weston Solutions	8.19.22 943		EETA	8/19/22 0945
2		EETA	8/19/22 1105			
3				Received in Laboratory by: Stephanie Hernandez	EETA	8/19/22 1105

Chain of Custody Record

542C14

eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sleger	Site Contact	Date	COC No
Company Name	Tel/Email.	Lab Contact	Carrier	2 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler:
City/State/Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grayslake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	SVOC	Total metals	TCLP metals	SPLP metals	pH	Sample Specific Notes
3	AL44-6 (5-10) -081822	8-18-22	~~1240~~ 1210	G	S	5			X	X	X	X	X	X	
4	AL44-6 (10-15) -081822		1215												
5	AL44-7 (2-8) -081822		1240												
6	SQ-1 (5-8) -081822		1310												
7	MI-2 (3-8) -081822		1330												
8	MI-2 (3-8) -081822D		1325												
9	MI-3 (6-12) -081822		1350												
	VM-2 (4-8) -081822		1410												
	VM-2 (8-13) -081822		1415												
	VM-3 (6-13) -081822		1430												

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

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

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

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

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

Special Instructions/QC Requirements & Comments:

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

Relinquished by	Company: Weston Solutions	Date/Time: 8-19-22 0943	Received by	Company: EEA	Date/Time: 08/19/22 0943
Relinquished by	Company: EEA	Date/Time: 8/19/22 1105	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: Stephanie Hernandez	Company: EEA	Date/Time: 8/19/22 1105

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Speedway Gasoline Station - 491 S. IL 83 (ISGS Site No. 3079V2-49)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

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

Latitude: 42.33389 (Decimal Degrees) Longitude: - 88.02948 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

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

Estimated Volume of debris (cu. Yd.): 4,120

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33389 Longitude: - 88.02948

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 SL-6, SG-1, SG-3 THROUGH SG-7, AND SG-9 WERE SAMPLED ALONG THE SPEEDWAY GASOLINE STATION. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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 REPORTS - JOB IDs: 1739973, 500-188168-1, 500-188166-1, AND 500-188167-1. ALSO SEE FIGURE 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

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

Summary Table of Former Speedway Gas Station (ISGS Site No. 3079V-49)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SG-1	SG-3	SG-3	SG-3	SG-3	SG-4	SG-4	SG-4	SG-4	SG-5	SG-5
Sample Date		9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020
Field Sample ID		SG-1(0-5)-092120	SG-3(0-5)-092120	SG-3(5-10)-092120	SG-3(10-15)-092120	SG-3(15-20)-092120	SG-4(0-5)-092120	SG-4(5-10)-092120	SG-4(10-15)-092120	SG-4(15-20)-092120	SG-5(0-5)-092120	SG-5(5-10)-092120
ISGS Site No.		3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49
Laboratory pH	<6.25, >9.0	7.8	8.3	8.3	8.2	8.4	7.7	8.1	8.1	8.3	8.1	8.6
VOCs		**No Exceedances**										
SVOCs (mg/kg)												
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	0.0066 J	ND	0.012 J	ND	ND	ND	0.022 J	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND	0.0068 J	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.0059 J	ND	0.025 J	ND	ND	ND	0.0053 J	ND	ND	ND	0.0054 J
Benzo(a)pyrene	0.09 / 1.3 / 2.1	ND	ND	0.045	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	ND	ND	0.039	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	---	ND	ND	0.015 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	9	ND	ND	0.05	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	ND	ND	0.046	0.027 J	0.032 J	ND	0.015 J	0.029 J	0.032 J	ND	0.012 J
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.013 J	ND	0.055	ND	ND	ND	ND	ND	ND	0.01 J	0.015 J
Fluorene	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.031 J	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.0062 J	ND	0.024 J	0.036 J	0.049	0.0057 J	0.011 J	0.036 J	0.056	0.034 J	0.035 J
Pyrene	2300	0.013 J	ND	0.097	0.0087 J	0.012 J	ND	0.012 J	0.013 J	0.015 J	ND	0.015 J
Pesticides (mg/kg)												
4,4-DDD	3	---	ND	ND	ND	ND	0.00042 J	0.0022	ND	ND	0.00087 J	ND
4,4-DDE	2	---	0.00075 J	ND	ND	ND	0.00033 J	0.0045	ND	ND	0.0012 J	ND
Dieldrin	0.603	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (mg/kg)												
Aroclor-1248	1	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Summary Table of Former Speedway Gas Station (ISGS Site No. 3079V-49)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SG-1	SG-3	SG-3	SG-3	SG-3	SG-4	SG-4	SG-4	SG-4	SG-5	SG-5
Sample Date		9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020
Field Sample ID		SG-1(0-5)-092120	SG-3(0-5)-092120	SG-3(5-10)-092120	SG-3(10-15)-092120	SG-3(15-20)-092120	SG-4(0-5)-092120	SG-4(5-10)-092120	SG-4(10-15)-092120	SG-4(15-20)-092120	SG-5(0-5)-092120	SG-5(5-10)-092120
ISGS Site No.		3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49
Total Inorganics (mg/kg)												
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	0.93 J	0.78 J	0.79 J	0.54 J	0.68 J	1.2	0.83 J	0.7 J	0.68 J	0.64 J	0.76 J
Arsenic, Total	11.3 / 13.0	7.8	8.3	8.9	5.1	5.6	12	9.9	5.2	5.3	7.7	5.7
Barium, Total	1500	54	62	34	53	53	56	59	45	52	41	34
Beryllium, Total	22	0.71	0.82	0.57	0.76	0.77	0.55	0.68	0.66	0.73	0.69	0.64
Cadmium, Total	5.2	0.076 J	0.2	0.27	0.15	0.15	0.39	0.28	0.16	0.16	0.25	0.2
Calcium, Total	---	69000 B	62000 B	85000 B	78000 B	78000 B	58000 B	53000 B	83000 B	78000 J	81000 B	86000 B
Chromium, Total	21	16	18	13	19	18	12	16	15	17	16	15
Cobalt, Total	20	13	8.8	8.2	11	12	12	12	10	11	11	12
Copper, Total	2900	22	23	21	21	22	22	31	20	23 J	23	20
Cyanide, Total	0.2	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron, Total	15000 / 15900	17000 ^B	22000	25000	16000	16000	22000	18000	21000	16000 J	24000	21000
Lead, Total	107	20	17	15	11	11	17	20	11	11	12	11
Magnesium, Total	325000	30000	30000	48000	32000	31000	26000	24000	43000	31000 J	43000	46000
Manganese, Total	630 / 636	590	390	420	380	380	770	550	400	370 J	460	420
Mercury, Total	0.89	0.023	0.043 J	0.03 J	0.032 J	ND	0.027 J	0.04 J	ND	0.028 J	ND	ND
Nickel, Total	100	28	27	24	29	29	31	30	25	29	27	26
Potassium, Total	---	2900	3200	2600	4100	4300	1800	2700	3500	3800 J	3400	3500
Selenium, Total	1.3	ND	0.38 J	0.41 J	0.35 J	ND	0.35 J	ND	ND	ND	ND	ND
Silver, Total	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	---	230 J	520	350	240	250	490	560	220	230	530	410
Thallium, Total	2.6	0.72	0.41 J	0.33 J	0.4 J	0.34 J	0.57	0.59	0.41 J	0.46 J	0.59	0.59
Vanadium, Total	550	22	26	19	23	23	20	24	20	22	23	21
Zinc, Total	5100	63	57	50	43	43	52	59	39	42	49	46
TCLP Metals (mg/l)												
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.51	0.38 J	0.31 J	0.7	0.68	0.79	0.53	0.64	0.7 J	0.33 J	0.27 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND	ND	0.0032 J	ND	ND	ND	0.0024 J	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	ND	0.017 J	0.013 J	0.041	0.03	0.021 J	0.015 J	ND	ND
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	0.54	1.1	1.6	2	1.8	16	5.1	2	1.9 J	0.81	1.3
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.01 J	ND	0.015 J	0.047	0.036	0.051	0.035	0.056	0.041	ND	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	ND	ND	0.025 J	ND	ND	ND	ND	ND

Summary Table of Former Speedway Gas Station (ISGS Site No. 3079V-49)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SG-1	SG-3	SG-3	SG-3	SG-3	SG-4	SG-4	SG-4	SG-4	SG-5	SG-5
Sample Date		9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020
Field Sample ID		SG-1(0-5)-092120	SG-3(0-5)-092120	SG-3(5-10)-092120	SG-3(10-15)-092120	SG-3(15-20)-092120	SG-4(0-5)-092120	SG-4(5-10)-092120	SG-4(10-15)-092120	SG-4(15-20)-092120	SG-5(0-5)-092120	SG-5(5-10)-092120
ISGS Site No.		3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49
SPLP Metals (mg/l)												
Arsenic, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.038 J	ND
Barium, SPLP	2	ND	0.056 J	0.053 J	0.061 J	0.061 J	0.095 J	0.05 J	ND	0.058 J	0.32 J	0.078 J
Beryllium, SPLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0048	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	ND	ND	0.013 J	ND	ND	0.011 J	ND	ND	ND	0.1	0.021 J
Cobalt, SPLP	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.033	ND
Copper, SPLP	0.65	ND	ND	0.01 J	ND	ND	ND	ND	ND	ND	0.11	0.019 J
Iron, SPLP	5	1.4	3.9	8.7	1.1	1.5	7.3	3.7	0.3 J	1.4 J	100	15
Lead, SPLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.061	0.012
Manganese, SPLP	0.15	ND	0.017 J	0.041	ND	0.013 J	0.1	0.033	ND	0.012 J	0.49	0.076
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	ND	ND	0.011 J	ND	ND	0.011 J	ND	ND	ND	0.11	0.02 J
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	ND	ND	0.026 J	ND	ND	0.021 J	ND	ND	ND	0.27 J	0.044 J

Summary Table of Former Speedway Gas Station (ISGS Site No. 3079V-49)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SG-5	SG-5	SG-5	SG-6	SG-7	SG-7	SG-7	SG-7	SG-7	SG-9	SL-6
Sample Date		9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	12/2/2016
Field Sample ID		SG-5(10-15)-092120	SG-5(15-20)-092120	SG-5(15-20)-092120D	SG-6(0-5)-092120	SG-7(0-5)-092120	SG-7(5-10)-092120	SG-7(5-10)-092120D	SG-7(10-15)-092120	SG-7(15-20)-092120	SG-9(0-5)-092120	SL-6(0-5)-120216
ISGS Site No.		3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079-46
Laboratory pH	<6.25, >9.0	8.1	8.5	8.5	8.6	8.0	7.7	7.6	7.9	8.3	8.0	8.6
VOCs		**No Exceedances**										
SVOCs (mg/kg)												
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	0.019 J	0.019 J	ND	ND	ND	ND	ND	0.016 J	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	0.0085 J	ND	ND	ND	0.0076 J	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	0.033 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	ND	0.0098 J	0.0094 J	ND	ND	ND	ND	ND	ND	0.011 J	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.019 J	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.023 J	6 J
Benzo(g,h,i)perylene	---	0.013 J	ND	0.014 J	ND	ND	ND	ND	ND	0.014 J	0.017 J	6 J
Benzo(k)fluoranthene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012 J	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	0.026 J	0.015 J	0.019 J	ND	ND	ND	0.016 J	0.016 J	0.027 J	0.018 J	6 J
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.012 J	0.013 J	0.014 J	ND	ND	ND	ND	ND	0.014 J	0.017 J	12 J
Fluorene	560	0.034 J	ND	ND	ND	0.0071 J	ND	ND	ND	0.034 J	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.016 J	ND
Naphthalene	1.8	ND	0.0068 J	0.0069 J	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.047	0.063	0.069	ND	0.0091 J	0.0077 J	0.0056 J	0.013 J	0.066	0.007 J	8 J
Pyrene	2300	0.012 J	0.013 J	0.015 J	ND	ND	0.0093 J	0.0099 J	ND	0.014 J	0.02 J	10 J
Pesticides (mg/kg)												
4,4-DDD	3	ND	ND	ND	---	0.0014 J	ND	ND	ND	ND	---	---
4,4-DDE	2	ND	ND	ND	---	0.0008 J	ND	ND	ND	ND	---	---
Dieldrin	0.603	ND	ND	ND	---	0.0013 J	ND	ND	ND	ND	---	---
PCBs (mg/kg)												
Aroclor-1248	1	ND	ND	ND	---	ND	ND	ND	ND	ND	---	---

Summary Table of Former Speedway Gas Station (ISGS Site No. 3079V-49)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SG-5	SG-5	SG-5	SG-6	SG-7	SG-7	SG-7	SG-7	SG-7	SG-9	SL-6
Sample Date		9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	12/2/2016
Field Sample ID		SG-5(10-15)-092120	SG-5(15-20)-092120	SG-5(15-20)-092120D	SG-6(0-5)-092120	SG-7(0-5)-092120	SG-7(5-10)-092120	SG-7(5-10)-092120D	SG-7(10-15)-092120	SG-7(15-20)-092120	SG-9(0-5)-092120	SL-6(0-5)-120216
ISGS Site No.		3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079-46
Total Inorganics (mg/kg)												
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	0.64 J	0.59 J	0.67 J	0.56 J	0.87 J	0.66 J	0.68 J	0.56 J	0.58 J	0.61 J	1.46 J
Arsenic, Total	11.3 / 13.0	5.5	5.6	5.5	7.7	6.4	4.7	5	5.5	6.8	3.8 J	8.49
Barium, Total	1500	52	50	48	89	54	27	35	50	49	95	42.3
Beryllium, Total	22	0.76	0.76	0.72	1.1	0.76	0.63	0.61	0.72	0.74	0.93 J	0.775
Cadmium, Total	5.2	0.14	0.16	0.19	0.13 B	0.21	0.17	0.2	0.16	0.16	0.032 J	0.178 J
Calcium, Total	---	81000 B	74000 B	72000 B	9100 B	65000 B	84000 B	89000 B	85000 B	77000 B	5300 J	79100
Chromium, Total	21	18	18	17	25	17	15	14	19	17	21	20.2
Cobalt, Total	20	12	11	11	15	11	8.7	9.1	11	12	9.1	8.98
Copper, Total	2900	22	21	21	25	30	20	21	21	22	26	24.7
Cyanide, Total	0.2	ND	ND	ND	---	ND	ND	ND	ND	ND	---	---
Iron, Total	15000 / 15900	16000	16000	16000	24000	18000	20000	20000	16000	17000	18000 B^	23800
Lead, Total	107	12	11	11	17	17	11	11	11	14	18 J	16.4
Magnesium, Total	325000	32000	32000	30000	9800	29000	44000	46000	33000	31000	6200	42600
Manganese, Total	630 / 636	380	360	360	570	400	390	410	390	380	160 J	531
Mercury, Total	0.89	ND	0.033 J	ND	0.036	0.057	0.02	0.019	0.022	ND	0.042 J	0.0155 J
Nickel, Total	100	29	29	29	41	28	25	25	28	31	34	23.9
Potassium, Total	---	4200	4000	3600	3700	3500	3300	3200	3800	3800	1500 J	4470
Selenium, Total	1.3	ND	ND	ND	0.39 J	ND	ND	ND	ND	ND	ND	1.64 J
Silver, Total	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	---	240	230	220	1300	700	320	300	240	230	260 J	413
Thallium, Total	2.6	0.49 J	0.63	0.38 J	0.87	0.74	0.59	0.56	0.55 J	0.38 J	ND	2.91
Vanadium, Total	550	23	23	21	35	25	20	20	22	21	21	30.1
Zinc, Total	5100	43	44	59	80	58 B	49 B	47 B	43 B	43	68	57.8
TCLP Metals (mg/l)												
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.63	0.68	0.66	0.43 J	0.54	0.21 J	0.28 J	0.77	0.7	0.3 J	0.267
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND	0.0027 J	0.0024 J	0.002 J	ND	ND	ND	0.0011 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002 J
Cobalt, TCLP	1	0.025	0.017 J	0.016 J	0.02 J	0.022 J	0.015 J	0.017 J	0.02 J	0.014 J	ND	0.0058
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0061 J
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	2	2	1.9	8.4	5.6	2.3	2.2	2.1	1.8	0.3	1.54
Mercury, TCLP	0.002	0.00065	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.066	0.044	0.045	0.027	0.034	0.036	0.043	0.053	0.041	ND	0.0081 J
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	ND	0.04 J	0.032 J	0.037 J	0.037 J	ND	ND	0.0106 J

Summary Table of Former Speedway Gas Station (ISGS Site No. 3079V-49)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	SG-5	SG-5	SG-5	SG-6	SG-7	SG-7	SG-7	SG-7	SG-7	SG-9	SL-6
Sample Date		9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	12/2/2016
Field Sample ID		SG-5(10-15)-092120	SG-5(15-20)-092120	SG-5(15-20)-092120D	SG-6(0-5)-092120	SG-7(0-5)-092120	SG-7(5-10)-092120	SG-7(5-10)-092120D	SG-7(10-15)-092120	SG-7(15-20)-092120	SG-9(0-5)-092120	SL-6(0-5)-120216
ISGS Site No.		3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079V-49	3079-46
SPLP Metals (mg/l)												
Arsenic, SPLP	0.05	ND	ND	ND	0.081	ND	ND	ND	ND	ND	ND	0.0138 J
Barium, SPLP	2	ND	ND	ND	1.1	ND	ND	ND	0.07 J	0.072 J	0.2 J	0.127
Beryllium, SPLP	0.004	ND	ND	ND	0.013	ND	ND	ND	ND	ND	ND	0.0021 J
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.043	0.0504
Cobalt, SPLP	1	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND	0.0099
Copper, SPLP	0.65	ND	ND	ND	0.3	ND	ND	ND	0.011 J	ND	0.037	0.043
Iron, SPLP	5	ND	0.53	0.42	310	1.8	ND	ND	0.25 J	1.4	34	39.1
Lead, SPLP	0.0075	ND	ND	ND	0.14	ND	ND	ND	ND	ND	0.038	0.0249
Manganese, SPLP	0.15	ND	ND	ND	3.6	0.033	0.024 J	0.02 J	0.011 J	0.013 J	0.12	0.13
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00039 J
Nickel, SPLP	0.1	ND	ND	ND	0.35	ND	ND	ND	ND	ND	0.036	0.0381
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	ND	ND	ND	0.77	ND	ND	ND	ND	ND	0.09 J	0.0985

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

Report Date: December 16, 2016

Project: IDOT Job 050

Submittal Date: 12/03/2016
Group Number: 1739973
PO Number: 0088208
State of Sample Origin: IL

Client Sample Description	Lancaster Labs (LL) #
SL-1(0-5)-120216 Grab Soil	8725921
SL-1(0-5)-120216 Grab Soil	8725922
SL-1(0-5)-120216 Grab Soil	8725923
SL-1(0-5)-120216D Grab Soil	8725924
SL-1(0-5)-120216D Grab Soil	8725925
SL-1(0-5)-120216D Grab Soil	8725926
SL-2(0-5)-120216 Grab Soil	8725927
SL-2(0-5)-120216 Grab Soil	8725928
SL-2(0-5)-120216 Grab Soil	8725929
SL-3(0-5)-120216 Grab Soil	8725930
SL-3(0-5)-120216 Grab Soil	8725931
SL-3(0-5)-120216 Grab Soil	8725932
SL-3(5-10)-120216 Grab Soil	8725933
SL-3(5-10)-120216 Grab Soil	8725934
SL-3(5-10)-120216 Grab Soil	8725935
SL-3(10-15)-120216 Grab Soil	8725936
SL-3(10-15)-120216 Grab Soil	8725937
SL-3(10-15)-120216 Grab Soil	8725938
SL-5(0-5)-120216 Grab Soil	8725939
SL-5(0-5)-120216 Grab Soil	8725940
SL-5(0-5)-120216 Grab Soil	8725941
SL-6(0-5)-120216 Grab Soil	8725942
SL-6(0-5)-120216 Grab Soil	8725943
SL-6(0-5)-120216 Grab Soil	8725944
SL-4(0-5)-120216 Grab Soil	8725945
SL-4(0-5)-120216 Grab Soil	8725946
SL-4(0-5)-120216 Grab Soil	8725947
SL-4(5-10)-120216 Grab Soil	8725948
SL-4(5-10)-120216 Grab Soil	8725949
SL-4(5-10)-120216 Grab Soil	8725950
SL-4(10-15)-120216 Grab Soil	8725951

SL-4(10-15)-120216 Grab Soil	8725952
SL-4(10-15)-120216 Grab Soil	8725953

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Weston Solutions Attn: Andris Slesers

Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

Sample Description: SL-6(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725942
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0422

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	N.D.		5	16	0.68
10237	Benzene	71-43-2	0.5	J	0.4	4	0.68
10237	Bromodichloromethane	75-27-4	N.D.		0.8	4	0.68
10237	Bromoform	75-25-2	N.D.		0.8	4	0.68
10237	Bromomethane	74-83-9	N.D.		2	4	0.68
10237	2-Butanone	78-93-3	N.D.		3	8	0.68
10237	Carbon Disulfide	75-15-0	N.D.		0.8	4	0.68
10237	Carbon Tetrachloride	56-23-5	N.D.		0.8	4	0.68
10237	Chlorobenzene	108-90-7	N.D.		0.8	4	0.68
10237	Chloroethane	75-00-3	N.D.		2	4	0.68
10237	Chloroform	67-66-3	N.D.		0.8	4	0.68
10237	Chloromethane	74-87-3	N.D.		2	4	0.68
10237	Dibromochloromethane	124-48-1	N.D.		0.8	4	0.68
10237	1,1-Dichloroethane	75-34-3	N.D.		0.8	4	0.68
10237	1,2-Dichloroethane	107-06-2	N.D.		0.8	4	0.68
10237	1,1-Dichloroethene	75-35-4	N.D.		0.8	4	0.68
10237	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	4	0.68
10237	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	4	0.68
10237	1,2-Dichloropropane	78-87-5	N.D.		0.8	4	0.68
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.8	4	0.68
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.8	4	0.68
10237	Ethylbenzene	100-41-4	N.D.		0.8	4	0.68
10237	2-Hexanone	591-78-6	N.D.		2	8	0.68
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.4	4	0.68
10237	4-Methyl-2-pentanone	108-10-1	N.D.		2	8	0.68
10237	Methylene Chloride	75-09-2	N.D.		2	4	0.68
10237	Styrene	100-42-5	N.D.		0.8	4	0.68
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.8	4	0.68
10237	Tetrachloroethene	127-18-4	N.D.		0.8	4	0.68
10237	Toluene	108-88-3	N.D.		0.8	4	0.68
10237	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	4	0.68
10237	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	4	0.68
10237	Trichloroethene	79-01-6	N.D.		0.8	4	0.68
10237	Vinyl Chloride	75-01-4	N.D.		0.8	4	0.68
10237	Xylene (Total)	1330-20-7	N.D.		0.8	4	0.68
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	N.D.		4	20	1
10726	Acenaphthylene	208-96-8	N.D.		4	20	1
10726	Anthracene	120-12-7	N.D.		4	20	1
10726	Benzo(a)anthracene	56-55-3	N.D.		4	20	1
10726	Benzo(a)pyrene	50-32-8	N.D.		4	20	1
10726	Benzo(b)fluoranthene	205-99-2	6	J	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	6	J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	N.D.		4	20	1
10726	4-Bromophenyl-phenylether	101-55-3	N.D.		19	39	1
10726	Butylbenzylphthalate	85-68-7	N.D.		77	190	1
10726	Di-n-butylphthalate	84-74-2	N.D.		77	190	1
10726	Carbazole	86-74-8	N.D.		19	39	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725942
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0422

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D			ug/kg		ug/kg	ug/kg	
10726	4-Chloro-3-methylphenol	59-50-7	N.D.		19	39	1
10726	4-Chloroaniline	106-47-8	N.D.		39	77	1
10726	bis(2-Chloroethoxy)methane	111-91-1	N.D.		19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	N.D.		19	39	1
10726	2-Chloronaphthalene	91-58-7	N.D.		8	38	1
10726	2-Chlorophenol	95-57-8	N.D.		19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	N.D.		19	39	1
10726	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.		19	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	Chrysene	218-01-9	6	J	4	20	1
10726	Dibenz(a,h)anthracene	53-70-3	N.D.		4	20	1
10726	Dibenzofuran	132-64-9	N.D.		19	39	1
10726	1,2-Dichlorobenzene	95-50-1	N.D.		19	39	1
10726	1,3-Dichlorobenzene	541-73-1	N.D.		19	39	1
10726	1,4-Dichlorobenzene	106-46-7	N.D.		19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	N.D.		120	390	1
10726	2,4-Dichlorophenol	120-83-2	N.D.		19	39	1
10726	Diethylphthalate	84-66-2	N.D.		77	190	1
10726	2,4-Dimethylphenol	105-67-9	N.D.		19	39	1
10726	Dimethylphthalate	131-11-3	N.D.		77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	N.D.		190	580	1
10726	2,4-Dinitrophenol	51-28-5	N.D.		350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	N.D.		77	190	1
10726	2,6-Dinitrotoluene	606-20-2	N.D.		19	39	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		77	200	1
10726	Fluoranthene	206-44-0	12	J	4	20	1
10726	Fluorene	86-73-7	N.D.		4	20	1
10726	Hexachlorobenzene	118-74-1	N.D.		4	20	1
10726	Hexachlorobutadiene	87-68-3	N.D.		19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	N.D.		190	580	1
10726	Hexachloroethane	67-72-1	N.D.		39	190	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		4	20	1
10726	Isophorone	78-59-1	N.D.		19	39	1
10726	2-Methylnaphthalene	91-57-6	N.D.		4	20	1
10726	2-Methylphenol	95-48-7	N.D.		19	39	1
10726	4-Methylphenol	106-44-5	N.D.		19	39	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	N.D.		4	20	1
10726	2-Nitroaniline	88-74-4	N.D.		19	39	1
10726	3-Nitroaniline	99-09-2	N.D.		77	190	1
10726	4-Nitroaniline	100-01-6	N.D.		77	190	1
10726	Nitrobenzene	98-95-3	N.D.		19	39	1
10726	2-Nitrophenol	88-75-5	N.D.		19	39	1
10726	4-Nitrophenol	100-02-7	N.D.		190	580	1
10726	N-Nitroso-di-n-propylamine	621-64-7	N.D.		19	39	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725942
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0422

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**	**ug/kg**	**ug/kg**	
10726	N-Nitrosodiphenylamine	86-30-6	N.D.	19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	Di-n-octylphthalate	117-84-0	N.D.	77	190	1
10726	Pentachlorophenol	87-86-5	N.D.	39	200	1
10726	Phenanthrene	85-01-8	8 J	4	20	1
10726	Phenol	108-95-2	N.D.	19	39	1
10726	Pyrene	129-00-0	10 J	4	20	1
10726	1,2,4-Trichlorobenzene	120-82-1	N.D.	19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	N.D.	19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	N.D.	19	39	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06944	Antimony	7440-36-0	1.46 J	0.631	1.80	1
06935	Arsenic	7440-38-2	8.49	0.874	1.80	1
06946	Barium	7440-39-3	42.3	0.0297	0.451	1
06947	Beryllium	7440-41-7	0.775	0.0604	0.451	1
06949	Cadmium	7440-43-9	0.178 J	0.0442	0.451	1
01650	Calcium	7440-70-2	79,100	25.5	90.1	5
06951	Chromium	7440-47-3	20.2	0.126	1.35	1
06952	Cobalt	7440-48-4	8.98	0.108	0.451	1
06953	Copper	7440-50-8	24.7	0.207	0.901	1
01654	Iron	7439-89-6	23,800	3.71	18.0	1
06955	Lead	7439-92-1	16.4	0.496	1.35	1
01657	Magnesium	7439-95-4	42,600	1.71	9.01	1
06958	Manganese	7439-96-5	531	0.0748	0.451	1
06961	Nickel	7440-02-0	23.9	0.270	0.901	1
01662	Potassium	7440-09-7	4,470	21.5	45.1	1
06936	Selenium	7782-49-2	1.64 J	0.811	1.80	1
06966	Silver	7440-22-4	N.D.	0.135	0.451	1
01667	Sodium	7440-23-5	413	21.5	90.1	1
06925	Thallium	7440-28-0	2.91	0.739	2.70	1
06971	Vanadium	7440-62-2	30.1	0.126	0.451	1
06972	Zinc	7440-66-6	57.8	0.613	1.80	1
	SW-846 7471A		**mg/kg**	**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0155 J	0.0111	0.111	1
Wet Chemistry	**SW-846 9045C modified**		**Std. Units**	**Std. Units**	**Std. Units**	
00394	pH (soil)	n.a.	8.60	0.0100	0.0100	1
	The pH was measured in water at 21.5 C.					
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	**%**	
00111	Moisture	n.a.	14.0	0.50	0.50	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725942
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0422

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2540 G-1997**		%	%	%	

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs - Solid by 8260B	SW-846 8260B	1	X163471AA	12/12/2016 13:42	Angela D Sneeringer	0.68
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201634043639	12/02/2016 10:40	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	1	201634043639	12/02/2016 10:40	Client Supplied	1
02392	Soil Volatile Field Preserv	SW-846 5035A	2	201634043639	12/02/2016 10:40	Client Supplied	1
10726	TCL 8270 (microwave)	SW-846 8270D	1	16343SLA026	12/12/2016 23:46	Edward C Monborne	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	16343SLA026	12/08/2016 17:10	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
01650	Calcium	SW-846 6010B	1	163495708002	12/14/2016 20:42	Elaine F Stoltzfus	5
06951	Chromium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
01654	Iron	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
01657	Magnesium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
IDOT Job 050

LL Sample # SW 8725942
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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300 Plaza Circle
Suite 202
Mundelein IL 60060

I0422

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06958	Manganese	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
01662	Potassium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	3	163495708002	12/15/2016 19:01	Cindy M Gehman	1
01667	Sodium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	2	163495708002	12/14/2016 20:39	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	163415711002	12/07/2016 08:54	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	163495708002	12/07/2016 05:33	James L Mertz	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	163415711002	12/06/2016 18:55	JoElla L Rice	1
00394	pH (soil)	SW-846 9045C modified	1	16346039403A	12/11/2016 18:40	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	16344820005A	12/09/2016 11:16	Larry E Bevins	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725943
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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Mundelein IL 60060

I0423

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.267	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.0011 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0020 J	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0058	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0061 J	0.0041	0.0100	1
01754	Iron	7439-89-6	N.D.	0.0747	0.200	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07058	Manganese	7439-96-5	1.54	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0081 J	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0106 J	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07046	Barium	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07047	Beryllium	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07049	Cadmium	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07051	Chromium	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07052	Cobalt	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07053	Copper	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
01754	Iron	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07055	Lead	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07061	Nickel	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07036	Selenium	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07066	Silver	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
07072	Zinc	SW-846 6010B	1	163495705001	12/15/2016 22:03	Cindy M Gehman	1
00259	Mercury	SW-846 7470A	1	163495713001	12/15/2016 07:56	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
TCLP NVE
IDOT Job 050

LL Sample # TL 8725943
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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300 Plaza Circle
Suite 202
Mundelein IL 60060

I0423

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705001	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713001	12/14/2016 19:45	Barbara A Kane	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	16348-2486-947 A	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SL-6(0-5)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725944
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

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300 Plaza Circle
Suite 202
Mundelein IL 60060

I0424

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	0.0138 J	0.0097	0.0200	1
07046	Barium	7440-39-3	0.127	0.0011	0.0050	1
07047	Beryllium	7440-41-7	0.0021 J	0.00067	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00049	0.0050	1
07051	Chromium	7440-47-3	0.0504	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0099	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0430	0.0041	0.0100	1
01754	Iron	7439-89-6	39.1	0.0747	0.200	1
07055	Lead	7439-92-1	0.0249	0.0062	0.0150	1
07058	Manganese	7439-96-5	0.130	0.0018	0.0050	1
07061	Nickel	7440-02-0	0.0381	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07072	Zinc	7440-66-6	0.0985	0.0054	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00039	0.000050	0.00020	1

Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07047	Beryllium	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07052	Cobalt	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07053	Copper	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
01754	Iron	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
07072	Zinc	SW-846 6010B	1	163495705002	12/15/2016 07:09	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	163495713002	12/15/2016 08:04	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SL-6(0-5)-120216 Grab Soil
SPLP NVE
IDOT Job 050

LL Sample # TL 8725944
LL Group # 1739973
Account # 11924

Project Name: IDOT Job 050

Collected: 12/02/2016 10:40 by AT

Submitted: 12/03/2016 09:35
Reported: 12/16/2016 16:53

Weston Solutions
300 Plaza Circle
Suite 202
Mundelein IL 60060

I0424

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	163495705002	12/14/2016 17:34	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	163495713002	12/14/2016 19:45	Barbara A Kane	1
01567	SPLP Non-volatile Extraction	SW-846 1312	1	16348-2486-1567	12/13/2016 15:00	Christina A Huber	n.a.

*=This limit was used in the evaluation of the final result

Environmental Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories Environmental use only
Acct. # 11924 Group # 1739913 Sample # 8725921-53

COC # 515597

Client Information

Client: Weston Solutions
Acct. #:
Project Name/#: IDOT 052
PWSID #:
Project Manager: Megan M
P.O. #:
Sampler: A. Tuchalz
Quote #:
State where samples were collected: IL
For Compliance: Yes ☐ No ☐

Matrix

Soil ☒ Sediment ☐ Tissue ☐ Water ☐ Potable ☐ Ground ☐ NPDES ☐ Surface ☐ Other: ____

Analysis Requested

Preservation Codes: 0

For Lab Use Only
FSC:
SCR#: 198242

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

Remarks
COC 1 of 2

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	VOC	SVOC	Total Metals	TCLP/SPLP metals	pH
SL-1(0-5)-120216	12/2/16	0930	X		4	X	X	X	X	X
SL-1(0-5)-120216D		0930	X		4	X	X	X	X	X
SL-2(0-5)-120216		0950	X		4	X	X	X	X	X
SL-3(0-5)-120216		1000	X		4	X	X	X	X	X
SL-3(5-10)-120216		1003	X		4	X	X	X	X	X
SL-3(10-15)-120216		1006	X		4	X	X	X	X	X
SL-5(0-5)-120216		1028	X		4	X	X	X	X	X
SL-6(0-5)-120216		1040	X		4	X	X	X	X	X
SL-4(0-5)-120216		1055	X		4	X	X	X	X	X
SL-4(5-10)-120216	12/2/16	1100	X		4	X	X	X	X	X

Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: _____

E-mail address: _____

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) NJ DKQP TX TRRP-13
NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
Edwin Hernandez	11/23/16	1635		11/29/16	1300
	12/2/16	1500			
				12/3/16	0935

EDD Required? Yes No
If yes, format: _____

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____

Temperature upon receipt 1.0-1.3 °C

Environmental Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories Environmental use only

Acct. # 11924 Group # 1734973 Sample # 8725921-53

COC #514885

Client Information

Client: Weston Solutions

Acct. #:

Project Name/#: IDOT 050-Cayslake

PWSID #:

Project Manager: Megan M

P.O. #:

Sampler: A. Turkasz

Quote #:

State where samples were collected: IL

For Compliance: Yes ☐ No ☐

Matrix

Soil ☒ Sediment ☐ Tissue ☐ Water ☐ Potable ☐ Ground ☐ NPDES ☐ Surface ☐ Other: ____

Analysis Requested

Preservation Codes

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	VOC	SVOC	Total Metals	TCLP/SPLP metals	PAH
SL-4(10-15)-120216	12/2/16	1106	X		9	X	X	X	X	X

AT

For Lab Use Only

FSC:

SCR#:

Preservation Codes

H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

Remarks

CoC 2 of 2

Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: _____

E-mail address: _____

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)

Type III (Reduced non-CLP) NJ DKQP TX TRRP-13

NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
	12/2/16	1500			
				12/3/16	0935

EDD Required? Yes No

If yes, format: _____

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS _____ FedEx X Other _____

Temperature upon receipt 1.0-1.3 °C

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	none detected
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…
W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL REPORT

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

Laboratory Job ID: 500-176711-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
1/31/2020 6:08:03 PM

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

LINKS

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: SQ-2(0-5)-012120

Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-8

Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0	0.68	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,1,2-Trichloroethane	<2.0		2.0	0.87	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,1-Dichloroethane	<2.0		2.0	0.70	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,1-Dichloroethene	<2.0		2.0	0.70	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,2-Dichloroethane	<5.1		5.1	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,2-Dichloropropane	<2.0		2.0	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
1,3-Dichloropropene, Total	<2.0		2.0	0.72	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
2-Hexanone	<5.1		5.1	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Acetone	**140**		20	8.9	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Benzene	<2.0		2.0	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Bromodichloromethane	<2.0		2.0	0.41	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Bromoform	<2.0		2.0	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Bromomethane	<5.1		5.1	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Carbon disulfide	<5.1		5.1	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Carbon tetrachloride	<2.0		2.0	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Chlorobenzene	<2.0		2.0	0.75	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Chloroethane	<5.1		5.1	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Chloroform	<2.0		2.0	0.71	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Chloromethane	<5.1		5.1	2.0	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
cis-1,2-Dichloroethene	<2.0		2.0	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
cis-1,3-Dichloropropene	<2.0		2.0	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Dibromochloromethane	<2.0		2.0	0.67	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Ethylbenzene	<2.0		2.0	0.98	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Methyl Ethyl Ketone	**12**		5.1	2.3	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
methyl isobutyl ketone	<5.1		5.1	1.5	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Methyl tert-butyl ether	<2.0		2.0	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Methylene Chloride	<5.1		5.1	2.0	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Styrene	<2.0		2.0	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Tetrachloroethene	<2.0		2.0	0.69	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Toluene	<2.0		2.0	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
trans-1,2-Dichloroethene	<2.0		2.0	0.90	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
trans-1,3-Dichloropropene	<2.0		2.0	0.72	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Trichloroethene	<2.0		2.0	0.69	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Vinyl chloride	<2.0		2.0	0.90	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1
Xylenes, Total	<4.1		4.1	0.65	ug/Kg	☼	01/22/20 17:10	01/30/20 07:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/22/20 17:10*	*01/30/20 07:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 131*	*01/22/20 17:10*	*01/30/20 07:36*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*01/22/20 17:10*	*01/30/20 07:36*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*01/22/20 17:10*	*01/30/20 07:36*	*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	☼	01/28/20 18:33	01/29/20 20:11	1
1,2-Dichlorobenzene	<210		210	51	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176711-1

Client Sample ID: SQ-2(0-5)-012120
Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-8
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	96	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Methylnaphthalene	<85		85	7.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Methylphenol	<210		210	68	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4,6-Dinitro-2-methylphenol	<850		850	340	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
4-Nitrophenol	<850	*	850	400	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Acenaphthene	<42		42	7.6	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Acenaphthylene	**27**	**J**	42	5.6	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Anthracene	**7.7**	**J**	42	7.1	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Benzo[a]anthracene	**32**	**J**	42	5.7	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Benzo[a]pyrene	**76**		42	8.2	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Benzo[b]fluoranthene	**80**		42	9.1	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Benzo[g,h,i]perylene	**48**		42	14	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Benzo[k]fluoranthene	**28**	**J**	42	12	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Carbazole	<210		210	110	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Chrysene	**45**		42	12	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Dibenz(a,h)anthracene	**15**	**J**	42	8.2	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Dibenzofuran	<210		210	49	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Fluoranthene	**58**		42	7.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Fluorene	<42		42	5.9	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Hexachlorobenzene	<85		85	9.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Hexachloroethane	<210		210	64	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176711-1

Client Sample ID: SQ-2(0-5)-012120
Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-8
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**44**		42	11	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Isophorone	<210		210	47	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Naphthalene	<42		42	6.5	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Nitrobenzene	<42		42	11	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
N-Nitrosodi-n-propylamine	<85		85	52	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Pentachlorophenol	<850		850	680	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Phenanthrene	**10**	**J**	42	5.9	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Phenol	<210		210	94	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1
Pyrene	**32**	**J**	42	8.4	ug/Kg	☼	01/28/20 18:33	01/29/20 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*102*		*31 - 143*	*01/28/20 18:33*	*01/29/20 20:11*	*1*
2-Fluorobiphenyl	*67*		*43 - 145*	*01/28/20 18:33*	*01/29/20 20:11*	*1*
2-Fluorophenol	*72*		*31 - 166*	*01/28/20 18:33*	*01/29/20 20:11*	*1*
Nitrobenzene-d5	*61*		*37 - 147*	*01/28/20 18:33*	*01/29/20 20:11*	*1*
Phenol-d5	*60*		*30 - 153*	*01/28/20 18:33*	*01/29/20 20:11*	*1*
Terphenyl-d14	*112*		*42 - 157*	*01/28/20 18:33*	*01/29/20 20:11*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		01/29/20 15:09	01/30/20 12:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/29/20 15:09	01/30/20 12:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:09	01/30/20 12:28	1
Chromium	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Cobalt	**0.021**	**J**	0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Copper	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Iron	<0.40		0.40	0.20	mg/L		01/29/20 15:09	01/30/20 12:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/29/20 15:09	01/30/20 12:28	1
Manganese	**6.6**		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:09	01/30/20 12:28	1
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:28	1
Zinc	**0.055**	**J B**	0.50	0.020	mg/L		01/29/20 15:09	01/30/20 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.069**		0.050	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Barium	**0.71**		0.50	0.050	mg/L		01/29/20 15:05	01/30/20 16:14	1
Beryllium	**0.011**		0.0040	0.0040	mg/L		01/29/20 15:05	01/30/20 16:14	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		01/29/20 15:05	01/30/20 16:14	1
Chromium	**0.23**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Cobalt	**0.088**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Copper	**0.21**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Iron	**200**		0.40	0.20	mg/L		01/29/20 15:05	01/30/20 16:14	1
Lead	**0.11**		0.0075	0.0075	mg/L		01/29/20 15:05	01/30/20 16:14	1
Manganese	**2.6**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Nickel	**0.23**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:05	01/30/20 16:14	1

Client Sample ID: SQ-2(0-5)-012120

Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-8

Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.013	J	0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:14	1
Zinc	0.49	J ^	0.50	0.020	mg/L		01/29/20 15:05	01/30/20 16:14	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	☼	01/24/20 07:31	01/25/20 03:16	1
Arsenic	5.8		0.60	0.21	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Barium	89		0.60	0.069	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Beryllium	1.0		0.24	0.056	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Cadmium	0.25		0.12	0.022	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Calcium	7900	B	12	2.1	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Chromium	22		0.60	0.30	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Cobalt	11		0.30	0.079	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Copper	23		0.60	0.17	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Iron	20000		12	6.3	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Lead	20		0.30	0.14	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Magnesium	6800		6.0	3.0	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Manganese	340		0.60	0.088	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Nickel	30		0.60	0.18	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Potassium	2900		30	11	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Selenium	0.60		0.60	0.36	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Silver	3.8		0.30	0.078	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Sodium	2800		60	9.0	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Thallium	0.30	J	0.60	0.30	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Vanadium	30		0.30	0.071	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1
Zinc	73		1.2	0.53	mg/Kg	☼	01/24/20 07:31	01/25/20 03:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.59		0.33	0.33	ug/L		01/30/20 10:35	01/31/20 09:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	29		20	6.8	ug/Kg	☼	01/29/20 14:20	01/30/20 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			01/28/20 18:11	1

Client Sample ID: SQ-2(0-5)-012120D

Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-9

Matrix: Solid
Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,1,2-Trichloroethane	<1.8		1.8	0.78	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,1-Dichloroethane	<1.8		1.8	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,1-Dichloroethene	<1.8		1.8	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,2-Dichloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
1,3-Dichloropropene, Total	<1.8		1.8	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Acetone	**40**		18	7.9	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Benzene	<1.8		1.8	0.47	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Bromomethane	<4.6		4.6	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Carbon disulfide	<4.6		4.6	0.95	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Carbon tetrachloride	<1.8		1.8	0.53	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Chlorobenzene	<1.8		1.8	0.67	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Chloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Chloromethane	<4.6		4.6	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Dibromochloromethane	<1.8		1.8	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Ethylbenzene	<1.8		1.8	0.87	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Methyl Ethyl Ketone	**11**		4.6	2.0	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
methyl isobutyl ketone	<4.6		4.6	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Methyl tert-butyl ether	<1.8		1.8	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Methylene Chloride	<4.6		4.6	1.8	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
trans-1,2-Dichloroethene	<1.8		1.8	0.81	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
trans-1,3-Dichloropropene	<1.8		1.8	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Trichloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Vinyl chloride	<1.8		1.8	0.81	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 08:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/22/20 17:10*	*01/30/20 08:02*	*1*
4-Bromofluorobenzene (Surr)	*107*		*75 - 131*	*01/22/20 17:10*	*01/30/20 08:02*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*01/22/20 17:10*	*01/30/20 08:02*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*01/22/20 17:10*	*01/30/20 08:02*	*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	☼	01/28/20 18:33	01/29/20 20:38	1
1,2-Dichlorobenzene	<210		210	51	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1

Client Sample ID: SQ-2(0-5)-012120D
Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-9
Matrix: Solid
Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	97	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,4-Dinitrophenol	<850		850	750	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Methylnaphthalene	<85		85	7.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Methylphenol	<210		210	68	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
3 & 4 Methylphenol	<210		210	71	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4,6-Dinitro-2-methylphenol	<850		850	340	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
4-Nitrophenol	<850	*	850	400	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Acenaphthene	<42		42	7.6	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Acenaphthylene	**51**		42	5.6	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Anthracene	**17**	**J**	42	7.1	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Benzo[a]anthracene	**82**		42	5.7	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Benzo[a]pyrene	**190**		42	8.2	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Benzo[b]fluoranthene	**220**		42	9.1	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Benzo[g,h,i]perylene	**120**		42	14	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Benzo[k]fluoranthene	**72**		42	12	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Butyl benzyl phthalate	<210		210	81	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Carbazole	<210		210	110	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Chrysene	**110**		42	12	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Dibenz(a,h)anthracene	**33**	**J**	42	8.2	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Dibenzofuran	<210		210	50	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Fluoranthene	**84**		42	7.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Fluorene	<42		42	5.9	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Hexachlorobenzene	<85		85	9.8	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Hexachloroethane	<210		210	64	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1

Client Sample ID: SQ-2(0-5)-012120D

Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-9

Matrix: Solid
Percent Solids: 78.3

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	**110**		42	11	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Isophorone	<210		210	48	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Naphthalene	<42		42	6.5	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Nitrobenzene	<42		42	11	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
N-Nitrosodi-n-propylamine	<85		85	52	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Pentachlorophenol	<850		850	680	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Phenanthrene	**13**	**J**	42	5.9	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Phenol	<210		210	94	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1
Pyrene	**69**		42	8.4	ug/Kg	☼	01/28/20 18:33	01/29/20 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*115*		*31 - 143*	*01/28/20 18:33*	*01/29/20 20:38*	*1*
2-Fluorobiphenyl	*81*		*43 - 145*	*01/28/20 18:33*	*01/29/20 20:38*	*1*
2-Fluorophenol	*84*		*31 - 166*	*01/28/20 18:33*	*01/29/20 20:38*	*1*
Nitrobenzene-d5	*73*		*37 - 147*	*01/28/20 18:33*	*01/29/20 20:38*	*1*
Phenol-d5	*69*		*30 - 153*	*01/28/20 18:33*	*01/29/20 20:38*	*1*
Terphenyl-d14	*125*		*42 - 157*	*01/28/20 18:33*	*01/29/20 20:38*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		01/29/20 15:09	01/30/20 12:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/29/20 15:09	01/30/20 12:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/29/20 15:09	01/30/20 12:33	1
Chromium	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Copper	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Iron	<0.40		0.40	0.20	mg/L		01/29/20 15:09	01/30/20 12:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/29/20 15:09	01/30/20 12:33	1
Manganese	**5.7**		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Nickel	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:09	01/30/20 12:33	1
Silver	<0.025		0.025	0.010	mg/L		01/29/20 15:09	01/30/20 12:33	1
Zinc	**0.43**	**J B**	0.50	0.020	mg/L		01/29/20 15:09	01/30/20 12:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.093**		0.050	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Barium	**0.94**		0.50	0.050	mg/L		01/29/20 15:05	01/30/20 16:18	1
Beryllium	**0.014**		0.0040	0.0040	mg/L		01/29/20 15:05	01/30/20 16:18	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		01/29/20 15:05	01/30/20 16:18	1
Chromium	**0.31**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Cobalt	**0.12**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Copper	**0.29**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Iron	**280**		0.40	0.20	mg/L		01/29/20 15:05	01/30/20 16:18	1
Lead	**0.15**		0.0075	0.0075	mg/L		01/29/20 15:05	01/30/20 16:18	1
Manganese	**4.3**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Nickel	**0.33**		0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Selenium	<0.050		0.050	0.020	mg/L		01/29/20 15:05	01/30/20 16:18	1

Client Sample ID: SQ-2(0-5)-012120D

Date Collected: 01/21/20 14:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176711-9

Matrix: Solid
Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.017	J	0.025	0.010	mg/L		01/29/20 15:05	01/30/20 16:18	1
Zinc	0.50		0.50	0.020	mg/L		01/29/20 15:05	01/31/20 10:53	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	☼	01/24/20 07:31	01/25/20 03:20	1
Arsenic	5.1		0.62	0.21	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Barium	96		0.62	0.071	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Beryllium	0.93		0.25	0.058	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Cadmium	0.28		0.12	0.022	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Calcium	4900	B	12	2.1	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Chromium	21		0.62	0.31	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Cobalt	9.3		0.31	0.081	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Copper	22		0.62	0.17	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Iron	18000		12	6.4	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Lead	20		0.31	0.14	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Magnesium	4500		6.2	3.1	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Manganese	250		0.62	0.090	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Nickel	26		0.62	0.18	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Potassium	3000		31	11	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Selenium	0.48	J	0.62	0.36	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Silver	3.5		0.31	0.080	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Sodium	3200		62	9.2	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Vanadium	28		0.31	0.073	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	1
Zinc	73		1.2	0.54	mg/Kg	☼	01/24/20 07:31	01/25/20 03:20	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		01/30/20 10:35	01/31/20 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.63		0.50	0.50	ug/L		01/30/20 10:35	01/31/20 09:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26	F1 F2	20	6.8	ug/Kg	☼	01/29/20 14:20	01/30/20 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			01/28/20 18:14	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176711-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-176711 COC

(optional)
Report To
Contact: Andrus Siesers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-176711
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 45,43,5.6

Client: Weston Solutions, Inc
Client Project #: 02056.016.009
Project Name: IDOT Grayslake
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D+Taylor O.
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		AL44-10(0-3)-012120	1/21/20	1520	5	S	X	X	X	X	X					
2		CP24-1(0-4)-012120		1510												
3		CP24-2(0-4)-012120		1505												
4		CB23-1(0-4)-012120		1450												
5		R39-1(0-4)-012120		1435												
6		R42-1(0-5)-012120		1420												
7		R42-2(0-5)-012120		1410												
8		SQ-2(0-5)-012120		1400												
9		SQ-2(0-5)-012120D		1400												
10		CM-4(0-3)-012120		1325												

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
[signature]	Weston	1/21/20	1700	[signature]	Weston	1-21-20	1700
[signature]	Weston	1-22-20	1115	[signature]	TA	1-22-20	1115
[signature]	TA	1-22-20	1415	[signature]	TACHI	1/22/20	1415

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
Some T-kits have gray vial, and some do not. MD verified that this is ok with QW.

Lab Comments:

TAL-4124-500 (1209)

1/31/2020

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-177067-1
Client Project/Site: IDOT - Grayslake Park - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
2/17/2020 12:12:47 PM

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

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177067-1

Client Sample ID: SQ-1(0-5)-012820
Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1
Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Acetone	**49**		17	7.5	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Carbon disulfide	<4.3		4.3	0.89	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	01/29/20 18:00	02/06/20 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*	*01/29/20 18:00*	*02/06/20 19:34*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*01/29/20 18:00*	*02/06/20 19:34*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*01/29/20 18:00*	*02/06/20 19:34*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/29/20 18:00*	*02/06/20 19:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1

Client Sample ID: SQ-1(0-5)-012820
Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1
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	<370		370	84	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dimethylphenol	<370	*	370	140	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Methylnaphthalene	<74	*	74	6.8	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Methylphenol	<190		190	59	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Anthracene	<37		37	6.2	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Carbazole	<190		190	92	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Chrysene	<37		37	10	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Dibenzofuran	<190		190	43	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Fluoranthene	<37		37	6.8	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Fluorene	<37		37	5.2	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachlorobenzene	<74		74	8.6	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Hexachloroethane	<190		190	56	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1

Client Sample ID: SQ-1(0-5)-012820

Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1

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	<37		37	9.6	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Isophorone	<190		190	41	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Naphthalene	<37		37	5.7	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Phenanthrene	<37		37	5.1	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Phenol	<190		190	82	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1
Pyrene	<37		37	7.3	ug/Kg	☼	02/06/20 07:36	02/06/20 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*31 - 143*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
2-Fluorobiphenyl	*82*		*43 - 145*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
2-Fluorophenol	*123*		*31 - 166*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
Nitrobenzene-d5	*89*		*37 - 147*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
Phenol-d5	*102*		*30 - 153*	*02/06/20 07:36*	*02/06/20 22:46*	*1*
Terphenyl-d14	*106*		*42 - 157*	*02/06/20 07:36*	*02/06/20 22:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		02/10/20 06:33	02/10/20 17:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/10/20 06:33	02/10/20 17:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/10/20 06:33	02/10/20 17:41	1
Chromium	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Cobalt	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Copper	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Iron	<0.40		0.40	0.20	mg/L		02/10/20 06:33	02/10/20 17:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/10/20 06:33	02/10/20 17:41	1
Manganese	**0.66**		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Nickel	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Selenium	<0.050	*	0.050	0.020	mg/L		02/10/20 06:33	02/10/20 17:41	1
Silver	<0.025		0.025	0.010	mg/L		02/10/20 06:33	02/10/20 17:41	1
Zinc	**0.052**	**J B ***	0.50	0.020	mg/L		02/10/20 06:33	02/10/20 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.076**		0.050	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		02/08/20 16:47	02/10/20 12:19	1
Beryllium	**0.0071**		0.0040	0.0040	mg/L		02/08/20 16:47	02/10/20 12:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:47	02/10/20 12:19	1
Chromium	**0.15**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Cobalt	**0.048**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Copper	**0.20**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Iron	**160**		0.40	0.20	mg/L		02/08/20 16:47	02/10/20 12:19	1
Lead	**0.097**		0.0075	0.0075	mg/L		02/08/20 16:47	02/10/20 12:19	1
Manganese	**0.63**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Nickel	**0.19**		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:47	02/10/20 12:19	1

Client Sample ID: SQ-1(0-5)-012820

Date Collected: 01/28/20 09:50
Date Received: 01/29/20 13:35

Lab Sample ID: 500-177067-1

Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:47	02/10/20 12:19	1
Zinc	**0.60**	**B**	0.50	0.020	mg/L		02/08/20 16:47	02/10/20 12:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.50**	**J F1**	1.0	0.20	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Arsenic	**6.1**		0.52	0.18	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Barium	**39**		0.52	0.060	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Beryllium	**0.73**		0.21	0.049	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Cadmium	**0.22**	**B**	0.10	0.019	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Calcium	**70000**	**B**	100	18	mg/Kg	☼	02/04/20 07:16	02/05/20 16:25	10
Chromium	**17**		0.52	0.26	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Cobalt	**10**		0.26	0.069	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Copper	**21**		0.52	0.15	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Iron	**16000**		10	5.5	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Lead	**11**		0.26	0.12	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Magnesium	**30000**	**B**	5.2	2.6	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Manganese	**360**		0.52	0.076	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Nickel	**29**		0.52	0.15	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Potassium	**3100**		26	9.3	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Selenium	<0.52		0.52	0.31	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Silver	**2.5**		0.26	0.068	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Sodium	**350**		52	7.8	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Vanadium	**21**		0.26	0.062	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1
Zinc	**59**		1.0	0.46	mg/Kg	☼	02/04/20 07:16	02/04/20 17:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/14/20 10:35	02/15/20 11:43	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		02/14/20 10:35	02/15/20 12:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**18**		18	6.0	ug/Kg	☼	02/13/20 16:05	02/14/20 11:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			02/04/20 16:27	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177067-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
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)

TestAmerica

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2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-177067 COC

Chain of Custody Record

Lab Job #: 500-177067

Chain of Custody Number:

Page ____ of ____

Temperature °C of Cooler: 4.0

(optional)
Report To
Contact: Andrew Siegers
Company: Weston Solutions, Inc.
Address: 300 Plaza Circle Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7201
Fax: —
E-Mail: Andrew.Siegers@WestonSolutions.com

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

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT ~~Chem~~ Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max Dehro
Lab PM: Richard Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	PH					Comments
1		SQ-1(0-5)-012820	1/28/20	0950	6	S	x	x	x	x	x					
2		CB43-1(0-2)-012820	1/28/20	0945	6	S	x	x	x	x	x					

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 ☒ Disposal by Lab ☐ Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston Sol.	1/28/20	1345	Tayler Oberman	Weston	1/28/20	1350
Tayler Oberman	Weston	1/29/20	1030	[signature]	TA	1/29/20	1030
[signature]	TA	1/29/20	1335	[signature]	TA CRI	1/29/20	1335

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments

TAL-4124-500 (1209)
2/17/2020

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 500-221122-1
Client Project/Site: IDOT - Grayslake - WO 009C

For:
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Attn: Mr. Andris Slesers

Authorized for release by:
9/1/2022 1:49:19 PM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@et.eurofinsus.com

LINKS

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www.eurofinsus.com/Env

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: SQ-1(5-8)-081822

Date Collected: 08/18/22 13:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-16

Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0086	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Chlorobenzene	<0.0020		0.0020	0.00073	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,1-Dichloroethane	<0.0020		0.0020	0.00068	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,2-Dichloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,1-Dichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Ethylbenzene	<0.0020		0.0020	0.00095	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
2-Hexanone	<0.0050		0.0050	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00088	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00085	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Vinyl chloride	<0.0020		0.0020	0.00088	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1
Xylenes, Total	<0.0040		0.0040	0.00063	mg/Kg	☼	08/19/22 17:50	08/26/22 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*75 - 131*	*08/19/22 17:50*	*08/26/22 13:53*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 126*	*08/19/22 17:50*	*08/26/22 13:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 134*	*08/19/22 17:50*	*08/26/22 13:53*	*1*
Toluene-d8 (Surr)	*110*		*75 - 124*	*08/19/22 17:50*	*08/26/22 13:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1

Client Sample ID: SQ-1(5-8)-081822
Date Collected: 08/18/22 13:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-16
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.084	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Chlorophenol	<0.18	*+	0.18	0.063	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Methylnaphthalene	<0.074		0.074	0.0067	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
2-Nitrophenol	<0.36		0.36	0.087	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Acenaphthene	<0.036		0.036	0.0066	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Benzo[a]anthracene	**0.025**	**J**	0.036	0.0049	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Benzo[a]pyrene	**0.041**		0.036	0.0071	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Benzo[b]fluoranthene	**0.054**		0.036	0.0079	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Benzo[g,h,i]perylene	**0.027**	**J**	0.036	0.012	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Benzo[k]fluoranthene	**0.028**	**J**	0.036	0.011	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Chrysene	**0.056**		0.036	0.010	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Fluoranthene	**0.076**		0.036	0.0068	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Fluorene	<0.036		0.036	0.0052	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1

Client Sample ID: SQ-1(5-8)-081822

Date Collected: 08/18/22 13:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-16

Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.015**	**J**	0.036	0.0095	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Nitrobenzene	<0.036		0.036	0.0092	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Phenanthrene	**0.041**		0.036	0.0051	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Phenol	<0.18		0.18	0.082	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1
Pyrene	**0.073**		0.036	0.0073	mg/Kg	☼	08/30/22 06:40	09/01/22 00:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*31 - 143*	*08/30/22 06:40*	*09/01/22 00:51*	*1*
2-Fluorobiphenyl (Surr)	*89*		*43 - 145*	*08/30/22 06:40*	*09/01/22 00:51*	*1*
2-Fluorophenol (Surr)	*110*		*31 - 166*	*08/30/22 06:40*	*09/01/22 00:51*	*1*
Nitrobenzene-d5 (Surr)	*69*		*37 - 147*	*08/30/22 06:40*	*09/01/22 00:51*	*1*
Phenol-d5 (Surr)	*100*		*30 - 153*	*08/30/22 06:40*	*09/01/22 00:51*	*1*
Terphenyl-d14 (Surr)	*112*		*42 - 157*	*08/30/22 06:40*	*09/01/22 00:51*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.014**	**J**	0.050	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 19:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 19:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 19:24	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Iron	<0.40		0.40	0.20	mg/L		08/26/22 16:35	08/29/22 19:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/29/22 19:24	1
Manganese	**1.2**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Nickel	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 19:24	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:24	1
Zinc	<0.50	*+ ^+	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 19:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.037**	**J**	0.050	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		08/26/22 16:40	08/29/22 18:15	1
Beryllium	**0.0048**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 18:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 18:15	1
Chromium	**0.11**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Cobalt	**0.047**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Copper	**0.17**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Iron	**100**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 18:15	1
Lead	**0.046**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 18:15	1
Manganese	**0.49**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Nickel	**0.17**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 18:15	1

Client Sample ID: SQ-1(5-8)-081822
Date Collected: 08/18/22 13:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-16
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:15	1
Zinc	**0.34**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/30/22 12:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6700**		11	4.4	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Antimony	**0.35**	**J**	1.1	0.21	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Arsenic	**5.1**		0.54	0.18	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Barium	**28**		0.54	0.062	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Beryllium	**0.55**		0.22	0.050	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Cadmium	**0.058**	**J**	0.11	0.019	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Calcium	**73000**	**B**	54	9.2	mg/Kg	☼	08/25/22 15:32	08/29/22 11:25	5
Chromium	**12**		0.54	0.27	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Cobalt	**9.6**		0.27	0.071	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Copper	**21**		0.54	0.15	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Iron	**14000**		11	5.6	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Lead	**11**		0.27	0.12	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Magnesium	**31000**	**B**	5.4	2.7	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Manganese	**360**		0.54	0.078	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Nickel	**25**		0.54	0.16	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Potassium	**1500**		27	9.6	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Silver	**0.19**	**J**	0.27	0.070	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Sodium	**210**		54	8.0	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Vanadium	**14**		0.27	0.064	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1
Zinc	**52**		1.1	0.47	mg/Kg	☼	08/25/22 15:32	08/26/22 20:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**		0.017	0.0058	mg/Kg	☼	08/25/22 14:50	08/26/22 08:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**		0.2	0.2	SU			08/24/22 17:15	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-221122-1
Project/Site: IDOT - Grayslake - WO 009C

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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 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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Chain of Custody Record

520894

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Environment Testing
TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sievers	Site Contact	Date	COC No
Company Name	Tel/Email	Lab Contact	Carrier	1 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler
City/State Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grays Lake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

500-221122 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOC	SVOC	Total Metals	TCLP Metals	SPLP Metals	pH	Sample Specific Notes
1	AL44-2(3-5)-081822	8/18/22	955	G	S	5			X	X	X	X	X	X	
2	AL44-2(5-10)-081822	↓	1025	↓	↓	↓			↓	↓	↓	↓	↓	↓	
3	AL44-2(10-15)-081822		1035												
4	AL44-3(2-5)-081822		1050												
5	AL44-3(5-10)-081822		1055												
6	AL44-3(5-10)-081822D		1100												
7	AL44-3(10-15)-081822		1105												
8	AL44-4(7-11)-081822		1115												
9	AL44-4(11-15)-081822		1120												
10	AL44-5(7-11)-081822		1130												
11	AL44-5(11-15)-081822		1135												
12	AL44-6(2-5)-081822	↓	1205	↓	↓	↓			↓	↓	↓	↓	↓	↓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

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

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

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

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

Special Instructions/QC Requirements & Comments:

3.2+1.2, 95+25

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

	Relinquished by	Company	Date/Time	Received by	Company	Date/Time
1		Weston Solutions	8.19.22 943		EETA	8/19/22 0945
2		EETA	8/19/22 1105			
3				Received in Laboratory by: Stephanie Hernandez	EETA	8/19/22 1105

Chain of Custody Record

542C14

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sleger	Site Contact	Date	COC No
Company Name	Tel/Email.	Lab Contact	Carrier	2 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler:
City/State/Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grayslake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	SVOC	Total metals	TCLP metals	SPLP metals	pH	Sample Specific Notes
3	AL44-6 (5-10) -081822	8-18-22	~~1240~~ 1210	G	S	5			X	X	X	X	X	X	
4	AL44-6 (10-15) -081822		1215												
5	AL44-7 (2-8) -081822		1240												
6	SQ-1 (5-8) -081822		1310												
7	MI-2 (3-8) -081822		1330												
8	MI-2 (3-8) -081822D		1325												
9	MI-3 (6-12) -081822		1350												
	VM-2 (4-8) -081822		1410												
	VM-2 (8-13) -081822		1415												
	VM-3 (6-13) -081822		1430												

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

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

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

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

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

Special Instructions/QC Requirements & Comments:

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

Relinquished by	Company: Weston Solutions	Date/Time: 8-19-22 0943	Received by	Company: EEA	Date/Time: 08/19/22 0943
Relinquished by	Company: EEA	Date/Time: 8/19/22 1105	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: Stephanie Hernandez	Company: EEA	Date/Time: 8/19/22 1105

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ANALYTICAL REPORT

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

Laboratory Job ID: 500-188168-1
Client Project/Site: IDOT - Grayslake - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
10/4/2020 1:25:04 PM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: SG-7(0-5)-092120

Date Collected: 09/21/20 11:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-9

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.2		2.2	0.74	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
1,1,2,2-Tetrachloroethane	<2.2		2.2	0.71	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
1,1,2-Trichloroethane	<2.2		2.2	0.95	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
1,1-Dichloroethane	<2.2		2.2	0.76	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
1,1-Dichloroethene	<2.2		2.2	0.76	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
1,2-Dichloroethane	<5.5		5.5	1.7	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
1,2-Dichloropropane	<2.2		2.2	0.57	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
1,3-Dichloropropene, Total	<2.2		2.2	0.78	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Acetone	**65**		22	9.6	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Benzene	<2.2		2.2	0.56	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Bromodichloromethane	<2.2		2.2	0.45	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Bromoform	<2.2		2.2	0.65	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Bromomethane	<5.5		5.5	2.1	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Carbon disulfide	<5.5		5.5	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Carbon tetrachloride	<2.2		2.2	0.64	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Chlorobenzene	<2.2		2.2	0.82	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Chloroethane	<5.5		5.5	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Chloroform	<2.2		2.2	0.77	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Chloromethane	<5.5		5.5	2.2	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
cis-1,2-Dichloroethene	<2.2		2.2	0.62	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
cis-1,3-Dichloropropene	<2.2		2.2	0.67	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Dibromochloromethane	<2.2		2.2	0.72	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Ethylbenzene	<2.2		2.2	1.1	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Methyl Ethyl Ketone	**16**		5.5	2.5	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
methyl isobutyl ketone	<5.5		5.5	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Methyl tert-butyl ether	<2.2		2.2	0.65	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Methylene Chloride	<5.5		5.5	2.2	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Styrene	<2.2		2.2	0.67	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Tetrachloroethene	<2.2		2.2	0.75	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Toluene	<2.2		2.2	0.56	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
trans-1,2-Dichloroethene	<2.2		2.2	0.98	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
trans-1,3-Dichloropropene	<2.2		2.2	0.78	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Trichloroethene	<2.2		2.2	0.75	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Vinyl chloride	<2.2		2.2	0.98	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1
Xylenes, Total	<4.4		4.4	0.71	ug/Kg	☼	09/22/20 16:40	09/25/20 07:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 134*	*09/22/20 16:40*	*09/25/20 07:07*	*1*
4-Bromofluorobenzene (Surr)	*110*		*75 - 131*	*09/22/20 16:40*	*09/25/20 07:07*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*09/22/20 16:40*	*09/25/20 07:07*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*09/22/20 16:40*	*09/25/20 07:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1

Client Sample ID: SG-7(0-5)-092120
Date Collected: 09/21/20 11:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-9
Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2-Methylnaphthalene	<75	*	75	6.8	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2-Methylphenol	<190		190	59	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Acenaphthene	**7.6**	**J**	37	6.7	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Carbazole	<190		190	93	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Chrysene	<37		37	10	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Dibenzofuran	<190		190	43	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Fluorene	**7.1**	**J**	37	5.2	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Hexachloroethane	<190		190	56	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1

Client Sample ID: SG-7(0-5)-092120

Date Collected: 09/21/20 11:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-9

Matrix: Solid
Percent Solids: 85.3

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	<37		37	9.6	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Isophorone	<190		190	42	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Phenanthrene	**9.1**	**J**	37	5.2	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Phenol	<190		190	82	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1
Pyrene	<37		37	7.4	ug/Kg	☼	09/30/20 16:05	10/01/20 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*31 - 143*	*09/30/20 16:05*	*10/01/20 12:34*	*1*
2-Fluorobiphenyl	*75*		*43 - 145*	*09/30/20 16:05*	*10/01/20 12:34*	*1*
2-Fluorophenol	*81*		*31 - 166*	*09/30/20 16:05*	*10/01/20 12:34*	*1*
Nitrobenzene-d5	*75*		*37 - 147*	*09/30/20 16:05*	*10/01/20 12:34*	*1*
Phenol-d5	*85*		*30 - 153*	*09/30/20 16:05*	*10/01/20 12:34*	*1*
Terphenyl-d14	*82*		*42 - 157*	*09/30/20 16:05*	*10/01/20 12:34*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.023		0.023	0.012	mg/Kg	☼		09/27/20 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*59 - 120*		*09/27/20 00:14*	*1*
a,a,a-Trifluorotoluene	*90*		*70 - 120*		*09/27/20 00:14*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**58**		9.4	3.6	mg/Kg	☼	10/01/20 06:54	10/02/20 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*116*		*40 - 133*	*10/01/20 06:54*	*10/02/20 04:56*	*1*
o-Terphenyl	*119*		*50 - 126*	*10/01/20 06:54*	*10/02/20 04:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**1.4**	**J**	2.0	0.39	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
4,4'-DDE	**0.80**	**J**	2.0	0.32	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
4,4'-DDT	<2.0		2.0	1.0	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Aldrin	<2.0		2.0	0.81	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
alpha-BHC	<2.0		2.0	0.50	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
beta-BHC	<2.0		2.0	0.61	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Chlordane (technical)	<7.8		7.8	3.8	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
cis-Chlordane	<2.0		2.0	0.99	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
delta-BHC	<2.0		2.0	0.62	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Dieldrin	**1.3**	**J**	2.0	0.27	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Endosulfan I	<2.0		2.0	0.86	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Endosulfan II	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Endosulfan sulfate	<2.0		2.0	0.36	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Endrin	<2.0		2.0	0.27	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1

Client Sample ID: SG-7(0-5)-092120

Date Collected: 09/21/20 11:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-9

Matrix: Solid
Percent Solids: 85.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<2.0		2.0	0.33	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Endrin ketone	<2.0		2.0	0.44	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
gamma-BHC (Lindane)	<2.0		2.0	0.42	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Heptachlor	<2.0		2.0	0.82	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Heptachlor epoxide	<2.0		2.0	0.70	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Methoxychlor	<9.7		9.7	0.38	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
Toxaphene	<20		20	8.2	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1
trans-Chlordane	<2.0		2.0	0.51	ug/Kg	☼	09/30/20 18:22	10/01/20 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*33 - 148*	*09/30/20 18:22*	*10/01/20 20:54*	*1*
Tetrachloro-m-xylene	*53*		*30 - 121*	*09/30/20 18:22*	*10/01/20 20:54*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	6.9	ug/Kg	☼	09/30/20 18:22	10/01/20 11:55	1
PCB-1221	<20		20	8.6	ug/Kg	☼	09/30/20 18:22	10/01/20 11:55	1
PCB-1232	<20		20	8.5	ug/Kg	☼	09/30/20 18:22	10/01/20 11:55	1
PCB-1242	<20		20	6.4	ug/Kg	☼	09/30/20 18:22	10/01/20 11:55	1
PCB-1248	<20		20	7.7	ug/Kg	☼	09/30/20 18:22	10/01/20 11:55	1
PCB-1254	<20		20	4.2	ug/Kg	☼	09/30/20 18:22	10/01/20 11:55	1
PCB-1260	<20		20	9.6	ug/Kg	☼	09/30/20 18:22	10/01/20 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*116*		*37 - 121*	*09/30/20 18:22*	*10/01/20 11:55*	*1*
Tetrachloro-m-xylene	*93*		*49 - 129*	*09/30/20 18:22*	*10/01/20 11:55*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:41	09/30/20 08:45	1
Barium	**0.54**		0.50	0.050	mg/L		09/29/20 17:41	09/30/20 08:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:41	09/30/20 08:45	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		09/29/20 17:41	09/30/20 08:45	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:45	1
Cobalt	**0.022**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:45	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:45	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 17:41	09/30/20 08:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:41	09/30/20 08:45	1
Manganese	**5.6**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:45	1
Nickel	**0.034**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:45	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:41	09/30/20 08:45	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:45	1
Zinc	**0.040**	**J**	0.50	0.020	mg/L		09/29/20 17:41	09/30/20 08:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:04	09/30/20 00:07	1
Barium	<0.50		0.50	0.050	mg/L		09/29/20 07:04	09/30/20 00:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:04	09/30/20 00:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:04	09/30/20 00:07	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:07	1

Client Sample ID: SG-7(0-5)-092120

Date Collected: 09/21/20 11:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-9

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:07	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:07	1
Iron	**1.8**		0.40	0.20	mg/L		09/29/20 07:04	09/30/20 00:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:04	09/30/20 00:07	1
Manganese	**0.033**		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:07	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:07	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:04	09/30/20 00:07	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:07	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:04	09/30/20 00:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.87**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Arsenic	**6.4**		0.57	0.19	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Barium	**54**		0.57	0.065	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Beryllium	**0.76**		0.23	0.053	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Cadmium	**0.21**		0.11	0.020	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Calcium	**65000**	**B**	110	19	mg/Kg	☼	09/25/20 07:44	09/28/20 03:52	10
Chromium	**17**		0.57	0.28	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Cobalt	**11**		0.28	0.074	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Copper	**30**		0.57	0.16	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Iron	**18000**		11	5.9	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Lead	**17**		0.28	0.13	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Magnesium	**29000**		5.7	2.8	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Manganese	**400**		0.57	0.082	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Nickel	**28**		0.57	0.17	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Potassium	**3500**		28	10	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Sodium	**700**		57	8.4	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Thallium	**0.74**		0.57	0.28	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Vanadium	**25**		0.28	0.067	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1
Zinc	**58**	**B**	1.1	0.50	mg/Kg	☼	09/25/20 07:44	09/27/20 23:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 07:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 07:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**57**		18	6.0	ug/Kg	☼	09/27/20 13:25	09/28/20 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.28		0.28	0.14	mg/Kg	☼	09/30/20 10:48	09/30/20 13:19	1
pH	**8.0**		0.2	0.2	SU			09/25/20 22:04	1

Client Sample ID: SG-7(5-10)-092120

Date Collected: 09/21/20 11:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-10

Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Acetone	<16		16	6.9	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Carbon disulfide	<4.0		4.0	0.82	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	09/22/20 16:40	09/25/20 07:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*	*09/22/20 16:40*	*09/25/20 07:32*	*1*
4-Bromofluorobenzene (Surr)	*110*		*75 - 131*	*09/22/20 16:40*	*09/25/20 07:32*	*1*
Dibromofluoromethane	*102*		*75 - 126*	*09/22/20 16:40*	*09/25/20 07:32*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*09/22/20 16:40*	*09/25/20 07:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1

Client Sample ID: SG-7(5-10)-092120
Date Collected: 09/21/20 11:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-10
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2-Methylnaphthalene	<75	*	75	6.9	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Carbazole	<190		190	93	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Chrysene	<37		37	10	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1

Client Sample ID: SG-7(5-10)-092120

Date Collected: 09/21/20 11:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-10

Matrix: Solid
Percent Solids: 88.5

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	<37		37	9.7	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Isophorone	<190		190	42	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Phenanthrene	**7.7**	**J**	37	5.2	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Phenol	<190		190	83	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1
Pyrene	**9.3**	**J**	37	7.4	ug/Kg	☼	09/30/20 16:05	10/01/20 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*31 - 143*	*09/30/20 16:05*	*10/01/20 12:59*	*1*
2-Fluorobiphenyl	*87*		*43 - 145*	*09/30/20 16:05*	*10/01/20 12:59*	*1*
2-Fluorophenol	*92*		*31 - 166*	*09/30/20 16:05*	*10/01/20 12:59*	*1*
Nitrobenzene-d5	*86*		*37 - 147*	*09/30/20 16:05*	*10/01/20 12:59*	*1*
Phenol-d5	*92*		*30 - 153*	*09/30/20 16:05*	*10/01/20 12:59*	*1*
Terphenyl-d14	*89*		*42 - 157*	*09/30/20 16:05*	*10/01/20 12:59*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.023		0.023	0.011	mg/Kg	☼		09/27/20 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*		*59 - 120*		*09/27/20 00:49*	*1*
a,a,a-Trifluorotoluene	*84*		*70 - 120*		*09/27/20 00:49*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**72**		9.1	3.5	mg/Kg	☼	10/01/20 06:54	10/02/20 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*109*		*40 - 133*	*10/01/20 06:54*	*10/02/20 05:31*	*1*
o-Terphenyl	*113*		*50 - 126*	*10/01/20 06:54*	*10/02/20 05:31*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<1.9		1.9	0.37	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
4,4'-DDE	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
4,4'-DDT	<1.9		1.9	0.98	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Aldrin	<1.9		1.9	0.78	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
alpha-BHC	<1.9		1.9	0.47	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
beta-BHC	<1.9		1.9	0.58	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Chlordane (technical)	<7.5		7.5	3.6	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
cis-Chlordane	<1.9		1.9	0.95	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
delta-BHC	<1.9		1.9	0.59	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Dieldrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Endosulfan I	<1.9		1.9	0.82	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Endosulfan II	<1.9		1.9	0.30	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Endosulfan sulfate	<1.9		1.9	0.34	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Endrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1

Client Sample ID: SG-7(5-10)-092120
Date Collected: 09/21/20 11:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-10
Matrix: Solid
Percent Solids: 88.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Endrin ketone	<1.9		1.9	0.42	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
gamma-BHC (Lindane)	<1.9		1.9	0.40	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Heptachlor	<1.9		1.9	0.78	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Heptachlor epoxide	<1.9		1.9	0.66	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Methoxychlor	<9.3		9.3	0.36	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
Toxaphene	<19		19	7.9	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1
trans-Chlordane	<1.9		1.9	0.49	ug/Kg	☼	09/30/20 18:22	10/01/20 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*33 - 148*	*09/30/20 18:22*	*10/01/20 21:14*	*1*
Tetrachloro-m-xylene	*63*		*30 - 121*	*09/30/20 18:22*	*10/01/20 21:14*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.6	ug/Kg	☼	09/30/20 18:22	10/01/20 12:10	1
PCB-1221	<19		19	8.2	ug/Kg	☼	09/30/20 18:22	10/01/20 12:10	1
PCB-1232	<19		19	8.1	ug/Kg	☼	09/30/20 18:22	10/01/20 12:10	1
PCB-1242	<19		19	6.1	ug/Kg	☼	09/30/20 18:22	10/01/20 12:10	1
PCB-1248	<19		19	7.4	ug/Kg	☼	09/30/20 18:22	10/01/20 12:10	1
PCB-1254	<19		19	4.0	ug/Kg	☼	09/30/20 18:22	10/01/20 12:10	1
PCB-1260	<19		19	9.2	ug/Kg	☼	09/30/20 18:22	10/01/20 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*37 - 121*	*09/30/20 18:22*	*10/01/20 12:10*	*1*
Tetrachloro-m-xylene	*89*		*49 - 129*	*09/30/20 18:22*	*10/01/20 12:10*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:41	09/30/20 08:48	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		09/29/20 17:41	09/30/20 08:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:41	09/30/20 08:48	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		09/29/20 17:41	09/30/20 08:48	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:48	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:48	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:48	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 17:41	09/30/20 08:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:41	09/30/20 08:48	1
Manganese	**2.3**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:48	1
Nickel	**0.036**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:48	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:41	09/30/20 08:48	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:48	1
Zinc	**0.032**	**J**	0.50	0.020	mg/L		09/29/20 17:41	09/30/20 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:04	09/30/20 00:10	1
Barium	<0.50		0.50	0.050	mg/L		09/29/20 07:04	09/30/20 00:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:04	09/30/20 00:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:04	09/30/20 00:10	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:10	1

Client Sample ID: SG-7(5-10)-092120

Date Collected: 09/21/20 11:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-10

Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:10	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:10	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 07:04	09/30/20 00:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:04	09/30/20 00:10	1
Manganese	**0.024**	**J**	0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:10	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:10	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:04	09/30/20 00:10	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:10	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:04	09/30/20 00:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.66**	**J**	1.1	0.21	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Arsenic	**4.7**		0.55	0.19	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Barium	**27**		0.55	0.062	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Beryllium	**0.63**		0.22	0.051	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Cadmium	**0.17**		0.11	0.020	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Calcium	**84000**	**B**	110	19	mg/Kg	☼	09/25/20 07:44	09/28/20 03:56	10
Chromium	**15**		0.55	0.27	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Cobalt	**8.7**		0.27	0.072	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Copper	**20**		0.55	0.15	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Iron	**20000**		110	57	mg/Kg	☼	09/25/20 07:44	09/28/20 03:56	10
Lead	**11**		0.27	0.13	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Magnesium	**44000**		55	27	mg/Kg	☼	09/25/20 07:44	09/28/20 03:56	10
Manganese	**390**		0.55	0.079	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Nickel	**25**		0.55	0.16	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Potassium	**3300**		27	9.7	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Sodium	**320**		55	8.1	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Thallium	**0.59**		0.55	0.27	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Vanadium	**20**		0.27	0.064	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1
Zinc	**49**	**B**	1.1	0.48	mg/Kg	☼	09/25/20 07:44	09/27/20 23:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 07:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 07:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**20**		17	5.7	ug/Kg	☼	09/27/20 13:25	09/28/20 08:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.21		0.21	0.10	mg/Kg	☼	09/30/20 10:48	09/30/20 13:21	1
pH	**7.7**		0.2	0.2	SU			09/25/20 22:09	1

Client Sample ID: SG-7(5-10)-092120D

Date Collected: 09/21/20 11:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-11

Matrix: Solid
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Acetone	<15		15	6.6	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1
Xylenes, Total	<3.0		3.0	0.49	ug/Kg	☼	09/22/20 16:40	09/25/20 07:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*	*09/22/20 16:40*	*09/25/20 07:58*	*1*
4-Bromofluorobenzene (Surr)	*112*		*75 - 131*	*09/22/20 16:40*	*09/25/20 07:58*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*09/22/20 16:40*	*09/25/20 07:58*	*1*
Toluene-d8 (Surr)	*99*		*75 - 124*	*09/22/20 16:40*	*09/25/20 07:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1

Client Sample ID: SG-7(5-10)-092120D
Date Collected: 09/21/20 11:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-11
Matrix: Solid
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2-Methylnaphthalene	<73	*	73	6.6	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2-Methylphenol	<180		180	58	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Anthracene	<36		36	6.0	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Benzo[b]fluoranthene	<36		36	7.8	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Carbazole	<180		180	90	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Chrysene	**16**	**J**	36	9.8	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Fluoranthene	<36		36	6.7	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Fluorene	<36		36	5.1	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Hexachloroethane	<180		180	55	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1

Client Sample ID: SG-7(5-10)-092120D
Date Collected: 09/21/20 11:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-11
Matrix: Solid
Percent Solids: 88.9

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	<36		36	9.4	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Isophorone	<180		180	41	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Phenanthrene	**5.6**	**J**	36	5.0	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Phenol	<180		180	80	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1
Pyrene	**9.9**	**J**	36	7.2	ug/Kg	☼	09/30/20 16:05	10/01/20 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*31 - 143*	*09/30/20 16:05*	*10/01/20 13:24*	*1*
2-Fluorobiphenyl	*78*		*43 - 145*	*09/30/20 16:05*	*10/01/20 13:24*	*1*
2-Fluorophenol	*85*		*31 - 166*	*09/30/20 16:05*	*10/01/20 13:24*	*1*
Nitrobenzene-d5	*78*		*37 - 147*	*09/30/20 16:05*	*10/01/20 13:24*	*1*
Phenol-d5	*82*		*30 - 153*	*09/30/20 16:05*	*10/01/20 13:24*	*1*
Terphenyl-d14	*81*		*42 - 157*	*09/30/20 16:05*	*10/01/20 13:24*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.022		0.022	0.011	mg/Kg	☼		09/27/20 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*59 - 120*		*09/27/20 01:24*	*1*
a,a,a-Trifluorotoluene	*87*		*70 - 120*		*09/27/20 01:24*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**110**		9.2	3.6	mg/Kg	☼	10/01/20 06:54	10/02/20 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*114*		*40 - 133*	*10/01/20 06:54*	*10/02/20 06:07*	*1*
o-Terphenyl	*126*		*50 - 126*	*10/01/20 06:54*	*10/02/20 06:07*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<1.9		1.9	0.37	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
4,4'-DDE	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
4,4'-DDT	<1.9		1.9	0.98	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Aldrin	<1.9		1.9	0.78	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
alpha-BHC	<1.9		1.9	0.47	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
beta-BHC	<1.9		1.9	0.58	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Chlordane (technical)	<7.5		7.5	3.6	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
cis-Chlordane	<1.9		1.9	0.95	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
delta-BHC	<1.9		1.9	0.59	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Dieldrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Endosulfan I	<1.9		1.9	0.82	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Endosulfan II	<1.9		1.9	0.30	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Endosulfan sulfate	<1.9		1.9	0.34	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Endrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1

Client Sample ID: SG-7(5-10)-092120D

Date Collected: 09/21/20 11:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-11

Matrix: Solid
Percent Solids: 88.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Endrin ketone	<1.9		1.9	0.42	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
gamma-BHC (Lindane)	<1.9		1.9	0.40	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Heptachlor	<1.9		1.9	0.78	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Heptachlor epoxide	<1.9		1.9	0.66	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Methoxychlor	<9.3		9.3	0.36	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
Toxaphene	<19		19	7.9	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1
trans-Chlordane	<1.9		1.9	0.49	ug/Kg	☼	09/30/20 18:22	10/01/20 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*33 - 148*	*09/30/20 18:22*	*10/01/20 21:35*	*1*
Tetrachloro-m-xylene	*60*		*30 - 121*	*09/30/20 18:22*	*10/01/20 21:35*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.6	ug/Kg	☼	09/30/20 18:22	10/01/20 12:25	1
PCB-1221	<19		19	8.2	ug/Kg	☼	09/30/20 18:22	10/01/20 12:25	1
PCB-1232	<19		19	8.1	ug/Kg	☼	09/30/20 18:22	10/01/20 12:25	1
PCB-1242	<19		19	6.1	ug/Kg	☼	09/30/20 18:22	10/01/20 12:25	1
PCB-1248	<19		19	7.3	ug/Kg	☼	09/30/20 18:22	10/01/20 12:25	1
PCB-1254	<19		19	4.0	ug/Kg	☼	09/30/20 18:22	10/01/20 12:25	1
PCB-1260	<19		19	9.2	ug/Kg	☼	09/30/20 18:22	10/01/20 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*37 - 121*	*09/30/20 18:22*	*10/01/20 12:25*	*1*
Tetrachloro-m-xylene	*87*		*49 - 129*	*09/30/20 18:22*	*10/01/20 12:25*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:41	09/30/20 08:52	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		09/29/20 17:41	09/30/20 08:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:41	09/30/20 08:52	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/29/20 17:41	09/30/20 08:52	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:52	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:52	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:52	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 17:41	09/30/20 08:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:41	09/30/20 08:52	1
Manganese	**2.2**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:52	1
Nickel	**0.043**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:52	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:41	09/30/20 08:52	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:52	1
Zinc	**0.037**	**J**	0.50	0.020	mg/L		09/29/20 17:41	09/30/20 08:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:04	09/30/20 00:14	1
Barium	<0.50		0.50	0.050	mg/L		09/29/20 07:04	09/30/20 00:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:04	09/30/20 00:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:04	09/30/20 00:14	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:14	1

Client Sample ID: SG-7(5-10)-092120D

Date Collected: 09/21/20 11:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-11

Matrix: Solid
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:14	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:14	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 07:04	09/30/20 00:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:04	09/30/20 00:14	1
Manganese	**0.020**	**J**	0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:14	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:14	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:04	09/30/20 00:14	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:14	1
Zinc	**0.033**	**J B**	0.50	0.020	mg/L		09/29/20 07:04	09/30/20 00:14	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.68**	**J**	1.1	0.21	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Arsenic	**5.0**		0.55	0.19	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Barium	**35**		0.55	0.063	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Beryllium	**0.61**		0.22	0.051	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Cadmium	**0.20**		0.11	0.020	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Calcium	**89000**	**B**	110	19	mg/Kg	☼	09/25/20 07:44	09/28/20 04:00	10
Chromium	**14**		0.55	0.27	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Cobalt	**9.1**		0.28	0.072	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Copper	**21**		0.55	0.15	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Iron	**20000**		110	57	mg/Kg	☼	09/25/20 07:44	09/28/20 04:00	10
Lead	**11**		0.28	0.13	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Magnesium	**46000**		55	27	mg/Kg	☼	09/25/20 07:44	09/28/20 04:00	10
Manganese	**410**		0.55	0.080	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Nickel	**25**		0.55	0.16	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Potassium	**3200**		28	9.7	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Silver	<0.28		0.28	0.071	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Sodium	**300**		55	8.1	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Thallium	**0.56**		0.55	0.27	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Vanadium	**20**		0.28	0.065	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1
Zinc	**47**	**B**	1.1	0.48	mg/Kg	☼	09/25/20 07:44	09/27/20 23:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 07:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**		16	5.4	ug/Kg	☼	09/27/20 13:25	09/28/20 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.27		0.27	0.13	mg/Kg	☼	09/30/20 10:48	09/30/20 13:22	1
pH	**7.6**		0.2	0.2	SU			09/25/20 22:11	1

Client Sample ID: SG-7(10-15)-092120

Date Collected: 09/21/20 11:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-12

Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Acetone	**7.6**	**J**	16	6.9	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Carbon disulfide	<4.0		4.0	0.82	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	09/22/20 16:40	09/25/20 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*	*09/22/20 16:40*	*09/25/20 08:23*	*1*
4-Bromofluorobenzene (Surr)	*111*		*75 - 131*	*09/22/20 16:40*	*09/25/20 08:23*	*1*
Dibromofluoromethane	*106*		*75 - 126*	*09/22/20 16:40*	*09/25/20 08:23*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*09/22/20 16:40*	*09/25/20 08:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1

Client Sample ID: SG-7(10-15)-092120
Date Collected: 09/21/20 11:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-12
Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2-Methylnaphthalene	<75	*	75	6.8	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2-Methylphenol	<190		190	59	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Carbazole	<190		190	93	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Chrysene	**16**	**J**	37	10	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Dibenzofuran	<190		190	43	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Hexachloroethane	<190		190	56	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188166-1

Client Sample ID: SG-7(10-15)-092120
Date Collected: 09/21/20 11:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-12
Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Isophorone	<190		190	42	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Phenanthrene	**13**	**J**	37	5.2	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Phenol	<190		190	82	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1
Pyrene	<37		37	7.4	ug/Kg	☼	09/30/20 16:05	10/01/20 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*31 - 143*	*09/30/20 16:05*	*10/01/20 13:49*	*1*
2-Fluorobiphenyl	*72*		*43 - 145*	*09/30/20 16:05*	*10/01/20 13:49*	*1*
2-Fluorophenol	*75*		*31 - 166*	*09/30/20 16:05*	*10/01/20 13:49*	*1*
Nitrobenzene-d5	*72*		*37 - 147*	*09/30/20 16:05*	*10/01/20 13:49*	*1*
Phenol-d5	*79*		*30 - 153*	*09/30/20 16:05*	*10/01/20 13:49*	*1*
Terphenyl-d14	*78*		*42 - 157*	*09/30/20 16:05*	*10/01/20 13:49*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.023		0.023	0.011	mg/Kg	☼		09/27/20 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*		*59 - 120*		*09/27/20 01:58*	*1*
a,a,a-Trifluorotoluene	*84*		*70 - 120*		*09/27/20 01:58*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**84**		9.4	3.6	mg/Kg	☼	10/01/20 06:54	10/02/20 06:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*114*		*40 - 133*	*10/01/20 06:54*	*10/02/20 06:42*	*1*
o-Terphenyl	*132*	*X*	*50 - 126*	*10/01/20 06:54*	*10/02/20 06:42*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<1.9		1.9	0.38	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
4,4'-DDE	<1.9		1.9	0.32	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
4,4'-DDT	<1.9		1.9	1.0	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Aldrin	<1.9		1.9	0.79	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
alpha-BHC	<1.9		1.9	0.48	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
beta-BHC	<1.9		1.9	0.59	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Chlordane (technical)	<7.6		7.6	3.7	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
cis-Chlordane	<1.9		1.9	0.96	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
delta-BHC	<1.9		1.9	0.60	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Dieldrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Endosulfan I	<1.9		1.9	0.83	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Endosulfan II	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Endosulfan sulfate	<1.9		1.9	0.35	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Endrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1

Client Sample ID: SG-7(10-15)-092120

Date Collected: 09/21/20 11:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-12

Matrix: Solid
Percent Solids: 87.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<1.9		1.9	0.32	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Endrin ketone	<1.9		1.9	0.43	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
gamma-BHC (Lindane)	<1.9		1.9	0.41	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Heptachlor	<1.9		1.9	0.80	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Heptachlor epoxide	<1.9		1.9	0.68	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Methoxychlor	<9.4		9.4	0.37	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
Toxaphene	<19		19	8.0	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1
trans-Chlordane	<1.9		1.9	0.50	ug/Kg	☼	09/30/20 18:22	10/01/20 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*33 - 148*	*09/30/20 18:22*	*10/01/20 21:55*	*1*
Tetrachloro-m-xylene	*63*		*30 - 121*	*09/30/20 18:22*	*10/01/20 21:55*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.7	ug/Kg	☼	09/30/20 18:22	10/01/20 12:40	1
PCB-1221	<19		19	8.3	ug/Kg	☼	09/30/20 18:22	10/01/20 12:40	1
PCB-1232	<19		19	8.3	ug/Kg	☼	09/30/20 18:22	10/01/20 12:40	1
PCB-1242	<19		19	6.2	ug/Kg	☼	09/30/20 18:22	10/01/20 12:40	1
PCB-1248	<19		19	7.5	ug/Kg	☼	09/30/20 18:22	10/01/20 12:40	1
PCB-1254	<19		19	4.1	ug/Kg	☼	09/30/20 18:22	10/01/20 12:40	1
PCB-1260	<19		19	9.3	ug/Kg	☼	09/30/20 18:22	10/01/20 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*37 - 121*	*09/30/20 18:22*	*10/01/20 12:40*	*1*
Tetrachloro-m-xylene	*69*		*49 - 129*	*09/30/20 18:22*	*10/01/20 12:40*	*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		09/29/20 17:41	09/30/20 08:58	1
Barium	**0.77**		0.50	0.050	mg/L		09/29/20 17:41	09/30/20 08:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:41	09/30/20 08:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:41	09/30/20 08:58	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:58	1
Cobalt	**0.020**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:58	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:58	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 17:41	09/30/20 08:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:41	09/30/20 08:58	1
Manganese	**2.1**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:58	1
Nickel	**0.053**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:58	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:41	09/30/20 08:58	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:58	1
Zinc	**0.037**	**J**	0.50	0.020	mg/L		09/29/20 17:41	09/30/20 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:04	09/30/20 00:17	1
Barium	**0.070**	**J**	0.50	0.050	mg/L		09/29/20 07:04	09/30/20 00:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:04	09/30/20 00:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:04	09/30/20 00:17	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:17	1

Client Sample ID: SG-7(10-15)-092120

Date Collected: 09/21/20 11:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188166-12

Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:17	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:17	1
Iron	**0.25**	**J F1**	0.40	0.20	mg/L		09/29/20 07:04	09/30/20 00:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:04	09/30/20 00:17	1
Manganese	**0.011**	**J**	0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:17	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:17	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:04	09/30/20 00:17	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:04	09/30/20 00:17	1
Zinc	**0.046**	**J B**	0.50	0.020	mg/L		09/29/20 07:04	09/30/20 00:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.56**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Arsenic	**5.5**		0.56	0.19	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Barium	**50**		0.56	0.064	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Beryllium	**0.72**		0.22	0.052	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Cadmium	**0.16**		0.11	0.020	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Calcium	**85000**	**B**	110	19	mg/Kg	☼	09/25/20 07:44	09/28/20 04:04	10
Chromium	**19**		0.56	0.28	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Cobalt	**11**		0.28	0.073	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Copper	**21**		0.56	0.16	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Iron	**16000**		11	5.8	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Lead	**11**		0.28	0.13	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Magnesium	**33000**		5.6	2.8	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Manganese	**390**		0.56	0.081	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Nickel	**28**		0.56	0.16	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Potassium	**3800**		28	9.9	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Sodium	**240**		56	8.3	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Thallium	**0.55**	**J**	0.56	0.28	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Vanadium	**22**		0.28	0.066	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1
Zinc	**43**	**B**	1.1	0.49	mg/Kg	☼	09/25/20 07:44	09/27/20 23:51	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 07:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		18	6.1	ug/Kg	☼	09/27/20 13:25	09/28/20 09:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.23		0.23	0.12	mg/Kg	☼	09/30/20 10:48	09/30/20 13:24	1
pH	**7.9**		0.2	0.2	SU			09/25/20 22:13	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery 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.

General Chemistry

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

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Chain of Custody Record 491330

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Address: _____

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

Client Contact	Project Manager: Andris Slesers	Site Contact: T. Oberman	Date:	COC No: 1 of 5 COCs
Company Name: Weston	Tel/Email:	Lab Contact:	Carrier:	Sampler:
Address: 300 Plaza Cir	Analysis Turnaround Time			For Lab Use Only:
City/State/Zip: Mundelein IL 60060	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone:	TAT if different from Below _____			Lab Sampling:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Job / SDG No.: 500-188166
Project Name:				
Site:				
P O #				

500-188166 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	PCBs	Pest+	TCLP/SPLP metals	pH	TPH	TCL inorganics	FOC	Sample Specific Notes:
1 SG-2(0-5)-092120	9/21/20	0900	G	S	7			X	X	X	X	X	X	X	X	X	FOC sampled 0-3'
2 SG-2(5-10)-092120		0910			7			X	X	X	X	X	X	X	X		
3 SG-2(10-15)-092120		0920			7			X	X	X	X	X	X	X	X	X	FOC sampled 10'-13'
4 SG-2(15-20)-092120		0925			7												
5 SG-8(0-5)-092120		1005			7												
6 SG-8(5-10)-092120		1015			7												
7 SG-8(10-15)-092120		1020			6												
8 SG-8(15-20)-092120		1025			7												
9 SG-7(0-5)-092120		1120			7												
10 SG-7(5-10)-092120		1125			7												
11 SG-7(5-10)-092120D		1125			6												
12 SG-7(10-15)-092120		1130			7												

Elmhurst

503325

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

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

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

Sample Disposal (A fee may be assessed if sam

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

Special Instructions/QC Requirements & Comments: 3,3,2.6,3.9,46,1.8,4.6

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

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Taylor Oberman	Weston	9/22/20 905		TA	9/22/20 0800
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
for	TA 9/22/20	1350			
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TA-CHI	9/22/20 1350

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ANALYTICAL REPORT

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

Laboratory Job ID: 500-188167-1
Client Project/Site: IDOT - Grayslake - WO 009

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

Attn: Mr. Andris Slesers

Authorized for release by:
10/5/2020 11:54:26 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client Sample ID: SG-7(15-20)-092120

Date Collected: 09/21/20 11:40
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-1

Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
1,1,2-Trichloroethane	<1.8		1.8	0.76	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
1,3-Dichloropropene, Total	<1.8		1.8	0.62	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Acetone	<18		18	7.7	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Carbon disulfide	<4.4		4.4	0.92	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Ethylbenzene	<1.8		1.8	0.85	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Methyl Ethyl Ketone	<4.4		4.4	2.0	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Vinyl chloride	<1.8		1.8	0.78	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1
Xylenes, Total	<3.5		3.5	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*	*09/22/20 16:40*	*09/24/20 13:27*	*1*
4-Bromofluorobenzene (Surr)	*110*		*75 - 131*	*09/22/20 16:40*	*09/24/20 13:27*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*09/22/20 16:40*	*09/24/20 13:27*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*09/22/20 16:40*	*09/24/20 13:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188167-1

Client Sample ID: SG-7(15-20)-092120
Date Collected: 09/21/20 11:40
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-1
Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2-Methylnaphthalene	**16**	**J**	76	6.9	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Anthracene	<37		37	6.3	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Benzo[g,h,i]perylene	**14**	**J**	37	12	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Carbazole	<190		190	94	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Chrysene	**27**	**J**	37	10	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Fluoranthene	**14**	**J**	37	6.9	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Fluorene	**34**	**J**	37	5.3	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1

Client Sample ID: SG-7(15-20)-092120

Date Collected: 09/21/20 11:40
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-1

Matrix: Solid
Percent Solids: 84.3

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	<37		37	9.7	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Isophorone	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Naphthalene	<37		37	5.8	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Phenanthrene	**66**		37	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Phenol	<190		190	83	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1
Pyrene	**14**	**J**	37	7.4	ug/Kg	☼	09/30/20 16:03	10/01/20 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*31 - 143*	*09/30/20 16:03*	*10/01/20 17:37*	*1*
2-Fluorobiphenyl	*88*		*43 - 145*	*09/30/20 16:03*	*10/01/20 17:37*	*1*
2-Fluorophenol	*63*		*31 - 166*	*09/30/20 16:03*	*10/01/20 17:37*	*1*
Nitrobenzene-d5	*82*		*37 - 147*	*09/30/20 16:03*	*10/01/20 17:37*	*1*
Phenol-d5	*60*		*30 - 153*	*09/30/20 16:03*	*10/01/20 17:37*	*1*
Terphenyl-d14	*86*		*42 - 157*	*09/30/20 16:03*	*10/01/20 17:37*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.024		0.024	0.012	mg/Kg	☼		09/27/20 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*76*		*59 - 120*		*09/27/20 19:23*	*1*
a,a,a-Trifluorotoluene	*80*		*70 - 120*		*09/27/20 19:23*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**150**	**B**	9.8	3.8	mg/Kg	☼	10/01/20 16:23	10/02/20 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*137*	*X*	*40 - 133*	*10/01/20 16:23*	*10/02/20 04:21*	*1*
o-Terphenyl	*154*	*X*	*50 - 126*	*10/01/20 16:23*	*10/02/20 04:21*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<2.0		2.0	0.38	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
4,4'-DDE	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
4,4'-DDT	<2.0		2.0	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Aldrin	<2.0		2.0	0.80	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
alpha-BHC	<2.0		2.0	0.49	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
beta-BHC	<2.0		2.0	0.60	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Chlordane (technical)	<7.7		7.7	3.8	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
cis-Chlordane	<2.0		2.0	0.98	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
delta-BHC	<2.0		2.0	0.61	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Dieldrin	<2.0		2.0	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Endosulfan I	<2.0		2.0	0.84	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Endosulfan II	<2.0		2.0	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Endosulfan sulfate	<2.0		2.0	0.35	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Endrin	<2.0		2.0	0.27	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1

Client Sample ID: SG-7(15-20)-092120

Date Collected: 09/21/20 11:40
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-1

Matrix: Solid
Percent Solids: 84.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Endrin ketone	<2.0		2.0	0.44	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
gamma-BHC (Lindane)	<2.0		2.0	0.42	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Heptachlor	<2.0		2.0	0.81	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Heptachlor epoxide	<2.0		2.0	0.69	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Methoxychlor	<9.6		9.6	0.37	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
Toxaphene	<19		19	8.1	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1
trans-Chlordane	<2.0		2.0	0.51	ug/Kg	☼	09/30/20 06:38	10/01/20 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*33 - 148*	*09/30/20 06:38*	*10/01/20 01:09*	*1*
Tetrachloro-m-xylene	*72*		*30 - 121*	*09/30/20 06:38*	*10/01/20 01:09*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.8	ug/Kg	☼	09/30/20 06:38	09/30/20 19:00	1
PCB-1221	<19		19	8.5	ug/Kg	☼	09/30/20 06:38	09/30/20 19:00	1
PCB-1232	<19		19	8.4	ug/Kg	☼	09/30/20 06:38	09/30/20 19:00	1
PCB-1242	<19		19	6.3	ug/Kg	☼	09/30/20 06:38	09/30/20 19:00	1
PCB-1248	<19		19	7.6	ug/Kg	☼	09/30/20 06:38	09/30/20 19:00	1
PCB-1254	<19		19	4.2	ug/Kg	☼	09/30/20 06:38	09/30/20 19:00	1
PCB-1260	<19		19	9.5	ug/Kg	☼	09/30/20 06:38	09/30/20 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*37 - 121*	*09/30/20 06:38*	*09/30/20 19:00*	*1*
Tetrachloro-m-xylene	*81*		*49 - 129*	*09/30/20 06:38*	*09/30/20 19:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:49	09/29/20 09:10	1
Barium	**0.70**		0.50	0.050	mg/L		09/28/20 16:49	09/29/20 09:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:49	09/29/20 09:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:49	09/29/20 09:10	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:10	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:10	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:10	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:49	09/29/20 09:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:49	09/29/20 09:10	1
Manganese	**1.8**		0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:10	1
Nickel	**0.041**		0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:10	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:49	09/29/20 09:10	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:10	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:49	09/29/20 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 21:50	1
Barium	**0.072**	**J**	0.50	0.050	mg/L		09/29/20 07:02	09/29/20 21:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 21:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 21:50	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:50	1

Client Sample ID: SG-7(15-20)-092120

Date Collected: 09/21/20 11:40
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-1

Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:50	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:50	1
Iron	**1.4**		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 21:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 21:50	1
Manganese	**0.013**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:50	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:50	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 21:50	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:50	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:02	09/29/20 21:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.58**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Arsenic	**6.8**		0.56	0.19	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Barium	**49**		0.56	0.064	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Beryllium	**0.74**		0.22	0.052	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Cadmium	**0.16**		0.11	0.020	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Calcium	**77000**	**B**	110	19	mg/Kg	☼	09/25/20 08:09	09/28/20 04:21	10
Chromium	**17**		0.56	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Cobalt	**12**		0.28	0.073	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Copper	**22**		0.56	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Iron	**17000**		11	5.8	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Lead	**14**		0.28	0.13	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Magnesium	**31000**		5.6	2.8	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Manganese	**380**		0.56	0.081	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Nickel	**31**		0.56	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Potassium	**3800**		28	9.9	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Sodium	**230**		56	8.3	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Thallium	**0.38**	**J**	0.56	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Vanadium	**21**		0.28	0.066	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	1
Zinc	**43**		1.1	0.49	mg/Kg	☼	09/25/20 08:09	09/28/20 00:19	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		09/28/20 10:15	09/29/20 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15**	**J B**	18	5.8	ug/Kg	☼	09/25/20 14:00	09/28/20 07:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.29		0.29	0.14	mg/Kg	☼	09/30/20 10:48	09/30/20 13:26	1
pH	**8.3**		0.2	0.2	SU			09/25/20 22:25	1

Client Sample ID: SG-5(0-5)-092120

Date Collected: 09/21/20 12:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-2

Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Acetone	**13**	**J**	15	6.7	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Carbon disulfide	<3.8		3.8	0.80	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*	*09/22/20 16:40*	*09/24/20 13:52*	*1*
4-Bromofluorobenzene (Surr)	*110*		*75 - 131*	*09/22/20 16:40*	*09/24/20 13:52*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*09/22/20 16:40*	*09/24/20 13:52*	*1*
Toluene-d8 (Surr)	*99*		*75 - 124*	*09/22/20 16:40*	*09/24/20 13:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1

Client Sample ID: SG-5(0-5)-092120
Date Collected: 09/21/20 12:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-2
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2-Methylnaphthalene	<75		75	6.9	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Anthracene	<37		37	6.3	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Carbazole	<190		190	93	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Chrysene	<37		37	10	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Fluoranthene	**10**	**J**	37	6.9	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Fluorene	**31**	**J**	37	5.3	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Hexachlorocyclopentadiene	<750		750	220	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1

Client Sample ID: SG-5(0-5)-092120
Date Collected: 09/21/20 12:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-2
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Isophorone	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Naphthalene	<37		37	5.8	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Phenanthrene	**34**	**J**	37	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Phenol	<190		190	83	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1
Pyrene	<37		37	7.4	ug/Kg	☼	09/30/20 16:03	10/01/20 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*31 - 143*	*09/30/20 16:03*	*10/01/20 13:49*	*1*
2-Fluorobiphenyl	*79*		*43 - 145*	*09/30/20 16:03*	*10/01/20 13:49*	*1*
2-Fluorophenol	*68*		*31 - 166*	*09/30/20 16:03*	*10/01/20 13:49*	*1*
Nitrobenzene-d5	*78*		*37 - 147*	*09/30/20 16:03*	*10/01/20 13:49*	*1*
Phenol-d5	*66*		*30 - 153*	*09/30/20 16:03*	*10/01/20 13:49*	*1*
Terphenyl-d14	*82*		*42 - 157*	*09/30/20 16:03*	*10/01/20 13:49*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.023		0.023	0.012	mg/Kg	☼		09/27/20 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*59 - 120*		*09/27/20 19:58*	*1*
a,a,a-Trifluorotoluene	*92*		*70 - 120*		*09/27/20 19:58*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**24**	**B**	9.6	3.7	mg/Kg	☼	10/01/20 16:23	10/02/20 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*149*	*X*	*40 - 133*	*10/01/20 16:23*	*10/02/20 04:56*	*1*
o-Terphenyl	*123*		*50 - 126*	*10/01/20 16:23*	*10/02/20 04:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.87**	**J**	2.0	0.38	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
4,4'-DDE	**1.2**	**J**	2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
4,4'-DDT	<2.0		2.0	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Aldrin	<2.0		2.0	0.80	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
alpha-BHC	<2.0		2.0	0.49	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
beta-BHC	<2.0		2.0	0.60	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Chlordane (technical)	<7.7		7.7	3.8	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
cis-Chlordane	<2.0		2.0	0.98	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
delta-BHC	<2.0		2.0	0.61	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Dieldrin	<2.0		2.0	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Endosulfan I	<2.0		2.0	0.84	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Endosulfan II	<2.0		2.0	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Endosulfan sulfate	<2.0		2.0	0.35	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Endrin	<2.0		2.0	0.27	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1

Client Sample ID: SG-5(0-5)-092120

Date Collected: 09/21/20 12:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-2

Matrix: Solid
Percent Solids: 86.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Endrin ketone	<2.0		2.0	0.44	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
gamma-BHC (Lindane)	<2.0		2.0	0.42	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Heptachlor	<2.0		2.0	0.81	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Heptachlor epoxide	<2.0		2.0	0.69	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Methoxychlor	<9.6		9.6	0.37	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
Toxaphene	<19		19	8.1	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1
trans-Chlordane	<2.0		2.0	0.51	ug/Kg	☼	09/30/20 06:38	10/01/20 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*33 - 148*	*09/30/20 06:38*	*10/01/20 01:29*	*1*
Tetrachloro-m-xylene	*83*		*30 - 121*	*09/30/20 06:38*	*10/01/20 01:29*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.8	ug/Kg	☼	09/30/20 06:38	09/30/20 19:15	1
PCB-1221	<19		19	8.5	ug/Kg	☼	09/30/20 06:38	09/30/20 19:15	1
PCB-1232	<19		19	8.4	ug/Kg	☼	09/30/20 06:38	09/30/20 19:15	1
PCB-1242	<19		19	6.3	ug/Kg	☼	09/30/20 06:38	09/30/20 19:15	1
PCB-1248	<19		19	7.6	ug/Kg	☼	09/30/20 06:38	09/30/20 19:15	1
PCB-1254	<19		19	4.2	ug/Kg	☼	09/30/20 06:38	09/30/20 19:15	1
PCB-1260	<19		19	9.5	ug/Kg	☼	09/30/20 06:38	09/30/20 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*37 - 121*	*09/30/20 06:38*	*09/30/20 19:15*	*1*
Tetrachloro-m-xylene	*95*		*49 - 129*	*09/30/20 06:38*	*09/30/20 19:15*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:49	09/29/20 09:14	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		09/28/20 16:49	09/29/20 09:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:49	09/29/20 09:14	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		09/28/20 16:49	09/29/20 09:14	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:14	1
Cobalt	<0.025		0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:14	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:14	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:49	09/29/20 09:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:49	09/29/20 09:14	1
Manganese	**0.81**		0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:14	1
Nickel	<0.025		0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:14	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:49	09/29/20 09:14	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:49	09/29/20 09:14	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:49	09/29/20 09:14	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		09/29/20 07:02	09/29/20 21:53	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		09/29/20 07:02	09/29/20 21:53	1
Beryllium	**0.0048**		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 21:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 21:53	1
Chromium	**0.10**		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:53	1

Client Sample ID: SG-5(0-5)-092120

Date Collected: 09/21/20 12:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-2

Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.033		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:53	1
Copper	0.11		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:53	1
Iron	100		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 21:53	1
Lead	0.061		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 21:53	1
Manganese	0.49		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:53	1
Nickel	0.11		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:53	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 21:53	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 21:53	1
Zinc	0.27	J	0.50	0.020	mg/L		09/29/20 07:02	09/29/20 21:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.64	J	1.1	0.21	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Arsenic	7.7		0.54	0.18	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Barium	41		0.54	0.061	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Beryllium	0.69		0.22	0.050	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Cadmium	0.25		0.11	0.019	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Calcium	81000	B	110	18	mg/Kg	☼	09/25/20 08:09	09/28/20 04:25	10
Chromium	16		0.54	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Cobalt	11		0.27	0.071	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Copper	23		0.54	0.15	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Iron	24000		110	56	mg/Kg	☼	09/25/20 08:09	09/28/20 04:25	10
Lead	12		0.27	0.12	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Magnesium	43000		54	27	mg/Kg	☼	09/25/20 08:09	09/28/20 04:25	10
Manganese	460		0.54	0.078	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Nickel	27		0.54	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Potassium	3400		27	9.5	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Sodium	530		54	8.0	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Thallium	0.59		0.54	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Vanadium	23		0.27	0.064	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	1
Zinc	49		1.1	0.47	mg/Kg	☼	09/25/20 08:09	09/28/20 00:23	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		09/28/20 10:15	09/29/20 08:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J B	19	6.3	ug/Kg	☼	09/25/20 14:00	09/28/20 07:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.20		0.20	0.10	mg/Kg	☼	09/30/20 10:48	09/30/20 13:28	1
pH	8.1		0.2	0.2	SU			09/25/20 22:27	1

Client Sample ID: SG-5(5-10)-092120

Date Collected: 09/21/20 12:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-3

Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
1,2-Dichloropropane	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Acetone	<16		16	6.8	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Carbon tetrachloride	<1.6		1.6	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Ethylbenzene	<1.6		1.6	0.75	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Methyl tert-butyl ether	**2.3**		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
trans-1,2-Dichloroethene	<1.6		1.6	0.69	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*	*09/22/20 16:40*	*09/24/20 14:18*	*1*
4-Bromofluorobenzene (Surr)	*113*		*75 - 131*	*09/22/20 16:40*	*09/24/20 14:18*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*09/22/20 16:40*	*09/24/20 14:18*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*09/22/20 16:40*	*09/24/20 14:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1

Client Sample ID: SG-5(5-10)-092120
Date Collected: 09/21/20 12:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-3
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2-Methylnaphthalene	<75		75	6.9	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Benzo[a]anthracene	**5.4**	**J**	37	5.0	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Carbazole	<190		190	93	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Chrysene	**12**	**J**	37	10	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Fluoranthene	**15**	**J**	37	6.9	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1

Client Sample ID: SG-5(5-10)-092120
Date Collected: 09/21/20 12:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-3
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Isophorone	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Phenanthrene	**35**	**J**	37	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Phenol	<190		190	83	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1
Pyrene	**15**	**J**	37	7.4	ug/Kg	☼	09/30/20 16:03	10/01/20 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*31 - 143*	*09/30/20 16:03*	*10/01/20 16:23*	*1*
2-Fluorobiphenyl	*76*		*43 - 145*	*09/30/20 16:03*	*10/01/20 16:23*	*1*
2-Fluorophenol	*58*		*31 - 166*	*09/30/20 16:03*	*10/01/20 16:23*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*09/30/20 16:03*	*10/01/20 16:23*	*1*
Phenol-d5	*58*		*30 - 153*	*09/30/20 16:03*	*10/01/20 16:23*	*1*
Terphenyl-d14	*79*		*42 - 157*	*09/30/20 16:03*	*10/01/20 16:23*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.023		0.023	0.011	mg/Kg	☼		09/27/20 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*73*		*59 - 120*		*09/27/20 20:33*	*1*
a,a,a-Trifluorotoluene	*77*		*70 - 120*		*09/27/20 20:33*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**44**	**B**	9.4	3.6	mg/Kg	☼	10/01/20 16:23	10/02/20 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*109*		*40 - 133*	*10/01/20 16:23*	*10/02/20 05:31*	*1*
o-Terphenyl	*110*		*50 - 126*	*10/01/20 16:23*	*10/02/20 05:31*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<1.9		1.9	0.38	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
4,4'-DDE	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
4,4'-DDT	<1.9		1.9	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Aldrin	<1.9		1.9	0.78	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
alpha-BHC	<1.9		1.9	0.48	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
beta-BHC	<1.9		1.9	0.59	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Chlordane (technical)	<7.6		7.6	3.7	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
cis-Chlordane	<1.9		1.9	0.96	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
delta-BHC	<1.9		1.9	0.60	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Dieldrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Endosulfan I	<1.9		1.9	0.83	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Endosulfan II	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Endosulfan sulfate	<1.9		1.9	0.35	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Endrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1

Client Sample ID: SG-5(5-10)-092120

Date Collected: 09/21/20 12:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-3

Matrix: Solid
Percent Solids: 87.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<1.9		1.9	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Endrin ketone	<1.9		1.9	0.43	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
gamma-BHC (Lindane)	<1.9		1.9	0.41	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Heptachlor	<1.9		1.9	0.79	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Heptachlor epoxide	<1.9		1.9	0.67	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Methoxychlor	<9.4		9.4	0.37	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
Toxaphene	<19		19	8.0	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1
trans-Chlordane	<1.9		1.9	0.50	ug/Kg	☼	09/30/20 06:38	10/01/20 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*33 - 148*	*09/30/20 06:38*	*10/01/20 01:50*	*1*
Tetrachloro-m-xylene	*77*		*30 - 121*	*09/30/20 06:38*	*10/01/20 01:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.7	ug/Kg	☼	09/30/20 06:38	09/30/20 19:31	1
PCB-1221	<19		19	8.3	ug/Kg	☼	09/30/20 06:38	09/30/20 19:31	1
PCB-1232	<19		19	8.2	ug/Kg	☼	09/30/20 06:38	09/30/20 19:31	1
PCB-1242	<19		19	6.2	ug/Kg	☼	09/30/20 06:38	09/30/20 19:31	1
PCB-1248	<19		19	7.4	ug/Kg	☼	09/30/20 06:38	09/30/20 19:31	1
PCB-1254	<19		19	4.1	ug/Kg	☼	09/30/20 06:38	09/30/20 19:31	1
PCB-1260	<19		19	9.3	ug/Kg	☼	09/30/20 06:38	09/30/20 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*37 - 121*	*09/30/20 06:38*	*09/30/20 19:31*	*1*
Tetrachloro-m-xylene	*92*		*49 - 129*	*09/30/20 06:38*	*09/30/20 19:31*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:51	09/29/20 08:34	1
Barium	**0.27**	**J**	0.50	0.050	mg/L		09/28/20 16:51	09/29/20 08:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 08:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 08:34	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:34	1
Cobalt	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:34	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:34	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 08:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 08:34	1
Manganese	**1.3**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:34	1
Nickel	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:34	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 08:34	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:34	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:51	09/29/20 08:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:03	1
Barium	**0.078**	**J**	0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:03	1
Chromium	**0.021**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:03	1

Client Sample ID: SG-5(5-10)-092120

Date Collected: 09/21/20 12:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-3

Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:03	1
Copper	**0.019**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:03	1
Iron	**15**		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:03	1
Lead	**0.012**		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:03	1
Manganese	**0.076**		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:03	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:03	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:03	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:03	1
Zinc	**0.044**	**J**	0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.76**	**J**	1.1	0.21	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Arsenic	**5.7**		0.53	0.18	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Barium	**34**		0.53	0.061	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Beryllium	**0.64**		0.21	0.050	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Cadmium	**0.20**		0.11	0.019	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Calcium	**86000**	**B**	110	18	mg/Kg	☼	09/25/20 08:09	09/28/20 04:29	10
Chromium	**15**		0.53	0.26	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Cobalt	**12**		0.27	0.070	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Copper	**20**		0.53	0.15	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Iron	**21000**		110	55	mg/Kg	☼	09/25/20 08:09	09/28/20 04:29	10
Lead	**11**		0.27	0.12	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Magnesium	**46000**		53	26	mg/Kg	☼	09/25/20 08:09	09/28/20 04:29	10
Manganese	**420**		0.53	0.077	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Nickel	**26**		0.53	0.15	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Potassium	**3500**		27	9.4	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Silver	<0.27		0.27	0.069	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Sodium	**410**		53	7.9	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Thallium	**0.59**		0.53	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Vanadium	**21**		0.27	0.063	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	1
Zinc	**46**		1.1	0.47	mg/Kg	☼	09/25/20 08:09	09/28/20 00:27	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		09/28/20 10:15	09/29/20 06:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**14**	**J B**	18	6.1	ug/Kg	☼	09/25/20 14:00	09/28/20 07:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.24		0.24	0.12	mg/Kg	☼	09/30/20 10:48	09/30/20 13:33	1
pH	**8.6**		0.2	0.2	SU			09/25/20 22:29	1

Client Sample ID: SG-5(10-15)-092120

Date Collected: 09/21/20 12:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-4

Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Acetone	<15		15	6.5	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Carbon disulfide	<3.7		3.7	0.78	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Chloroethane	<3.7		3.7	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Methyl Ethyl Ketone	<3.7		3.7	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*	*09/22/20 16:40*	*09/24/20 14:44*	*1*
4-Bromofluorobenzene (Surr)	*110*		*75 - 131*	*09/22/20 16:40*	*09/24/20 14:44*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*09/22/20 16:40*	*09/24/20 14:44*	*1*
Toluene-d8 (Surr)	*104*		*75 - 124*	*09/22/20 16:40*	*09/24/20 14:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1

Client Sample ID: SG-5(10-15)-092120

Date Collected: 09/21/20 12:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-4

Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2-Methylnaphthalene	<74		74	6.7	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2-Methylphenol	<180		180	59	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Acenaphthene	**8.5**	**J**	36	6.6	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Anthracene	**33**	**J**	36	6.1	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Benzo[b]fluoranthene	<36		36	7.9	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Benzo[g,h,i]perylene	**13**	**J**	36	12	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Carbazole	<180		180	92	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Chrysene	**26**	**J**	36	10	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Fluoranthene	**12**	**J**	36	6.8	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Fluorene	**34**	**J**	36	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Hexachloroethane	<180		180	56	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188167-1

Client Sample ID: SG-5(10-15)-092120
Date Collected: 09/21/20 12:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-4
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.5	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Isophorone	<180		180	41	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Nitrobenzene	<36		36	9.2	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Phenanthrene	**47**		36	5.1	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Phenol	<180		180	82	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1
Pyrene	**12**	**J**	36	7.3	ug/Kg	☼	09/30/20 16:03	10/01/20 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*31 - 143*	*09/30/20 16:03*	*10/01/20 16:47*	*1*
2-Fluorobiphenyl	*81*		*43 - 145*	*09/30/20 16:03*	*10/01/20 16:47*	*1*
2-Fluorophenol	*68*		*31 - 166*	*09/30/20 16:03*	*10/01/20 16:47*	*1*
Nitrobenzene-d5	*90*		*37 - 147*	*09/30/20 16:03*	*10/01/20 16:47*	*1*
Phenol-d5	*65*		*30 - 153*	*09/30/20 16:03*	*10/01/20 16:47*	*1*
Terphenyl-d14	*86*		*42 - 157*	*09/30/20 16:03*	*10/01/20 16:47*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.023		0.023	0.012	mg/Kg	☼		09/27/20 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*78*		*59 - 120*		*09/27/20 21:08*	*1*
a,a,a-Trifluorotoluene	*83*		*70 - 120*		*09/27/20 21:08*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**66**	**B**	9.6	3.7	mg/Kg	☼	10/01/20 16:23	10/02/20 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*117*		*40 - 133*	*10/01/20 16:23*	*10/02/20 06:07*	*1*
o-Terphenyl	*127*	*X*	*50 - 126*	*10/01/20 16:23*	*10/02/20 06:07*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<2.0		2.0	0.38	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
4,4'-DDE	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
4,4'-DDT	<2.0		2.0	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Aldrin	<2.0		2.0	0.80	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
alpha-BHC	<2.0		2.0	0.49	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
beta-BHC	<2.0		2.0	0.60	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Chlordane (technical)	<7.7		7.7	3.7	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
cis-Chlordane	<2.0		2.0	0.97	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
delta-BHC	<2.0		2.0	0.61	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Dieldrin	<2.0		2.0	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Endosulfan I	<2.0		2.0	0.84	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Endosulfan II	<2.0		2.0	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Endosulfan sulfate	<2.0		2.0	0.35	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Endrin	<2.0		2.0	0.27	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1

Client Sample ID: SG-5(10-15)-092120

Date Collected: 09/21/20 12:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-4

Matrix: Solid
Percent Solids: 86.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Endrin ketone	<2.0		2.0	0.44	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
gamma-BHC (Lindane)	<2.0		2.0	0.42	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Heptachlor	<2.0		2.0	0.81	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Heptachlor epoxide	<2.0		2.0	0.68	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Methoxychlor	<9.6		9.6	0.37	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
Toxaphene	<19		19	8.1	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1
trans-Chlordane	<2.0		2.0	0.50	ug/Kg	☼	09/30/20 06:38	10/01/20 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*33 - 148*	*09/30/20 06:38*	*10/01/20 02:10*	*1*
Tetrachloro-m-xylene	*74*		*30 - 121*	*09/30/20 06:38*	*10/01/20 02:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.8	ug/Kg	☼	09/30/20 06:38	09/30/20 19:46	1
PCB-1221	<19		19	8.5	ug/Kg	☼	09/30/20 06:38	09/30/20 19:46	1
PCB-1232	<19		19	8.4	ug/Kg	☼	09/30/20 06:38	09/30/20 19:46	1
PCB-1242	<19		19	6.3	ug/Kg	☼	09/30/20 06:38	09/30/20 19:46	1
PCB-1248	<19		19	7.6	ug/Kg	☼	09/30/20 06:38	09/30/20 19:46	1
PCB-1254	<19		19	4.1	ug/Kg	☼	09/30/20 06:38	09/30/20 19:46	1
PCB-1260	<19		19	9.4	ug/Kg	☼	09/30/20 06:38	09/30/20 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*37 - 121*	*09/30/20 06:38*	*09/30/20 19:46*	*1*
Tetrachloro-m-xylene	*81*		*49 - 129*	*09/30/20 06:38*	*09/30/20 19:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:51	09/29/20 08:38	1
Barium	**0.63**		0.50	0.050	mg/L		09/28/20 16:51	09/29/20 08:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 08:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 08:38	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:38	1
Cobalt	**0.025**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:38	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:38	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 08:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 08:38	1
Manganese	**2.0**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:38	1
Nickel	**0.066**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:38	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 08:38	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:38	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:51	09/29/20 08:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:06	1
Barium	<0.50		0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:06	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:06	1

Client Sample ID: SG-5(10-15)-092120

Date Collected: 09/21/20 12:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-4

Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:06	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:06	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:06	1
Manganese	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:06	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:06	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:06	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:06	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.64**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Arsenic	**5.5**		0.57	0.19	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Barium	**52**		0.57	0.064	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Beryllium	**0.76**		0.23	0.053	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Cadmium	**0.14**		0.11	0.020	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Calcium	**81000**	**B**	110	19	mg/Kg	☼	09/25/20 08:09	09/28/20 04:33	10
Chromium	**18**		0.57	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Cobalt	**12**		0.28	0.074	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Copper	**22**		0.57	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Iron	**16000**		11	5.9	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Lead	**12**		0.28	0.13	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Magnesium	**32000**		5.7	2.8	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Manganese	**380**		0.57	0.082	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Nickel	**29**		0.57	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Potassium	**4200**		28	10	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Sodium	**240**		57	8.4	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Thallium	**0.49**	**J**	0.57	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Vanadium	**23**		0.28	0.067	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1
Zinc	**43**		1.1	0.50	mg/Kg	☼	09/25/20 08:09	09/28/20 00:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.65**		0.20	0.20	ug/L		09/28/20 10:15	09/29/20 06:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J B**	18	5.9	ug/Kg	☼	09/25/20 14:00	09/28/20 07:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.25		0.25	0.13	mg/Kg	☼	09/30/20 10:48	09/30/20 13:35	1
pH	**8.1**		0.2	0.2	SU			09/25/20 22:34	1

Client Sample ID: SG-5(15-20)-092120

Date Collected: 09/21/20 12:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-5

Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Acetone	<16		16	7.0	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*	*09/22/20 16:40*	*09/24/20 15:10*	*1*
4-Bromofluorobenzene (Surr)	*116*		*75 - 131*	*09/22/20 16:40*	*09/24/20 15:10*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*09/22/20 16:40*	*09/24/20 15:10*	*1*
Toluene-d8 (Surr)	*105*		*75 - 124*	*09/22/20 16:40*	*09/24/20 15:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1

Client Sample ID: SG-5(15-20)-092120

Date Collected: 09/21/20 12:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-5

Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2-Methylnaphthalene	**19**	**J**	79	7.2	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2-Methylphenol	<200		200	63	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Anthracene	<39		39	6.6	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Benzo[a]anthracene	**9.8**	**J**	39	5.3	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Carbazole	<200		200	98	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Chrysene	**15**	**J**	39	11	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Fluoranthene	**13**	**J**	39	7.3	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Fluorene	<39		39	5.5	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Hexachloroethane	<200		200	60	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1

Client Sample ID: SG-5(15-20)-092120
Date Collected: 09/21/20 12:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-5
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Isophorone	<200		200	44	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Naphthalene	**6.8**	**J**	39	6.0	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Phenanthrene	**63**		39	5.5	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Phenol	<200		200	87	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1
Pyrene	**13**	**J**	39	7.8	ug/Kg	☼	09/30/20 16:03	10/01/20 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*31 - 143*	*09/30/20 16:03*	*10/01/20 17:12*	*1*
2-Fluorobiphenyl	*84*		*43 - 145*	*09/30/20 16:03*	*10/01/20 17:12*	*1*
2-Fluorophenol	*67*		*31 - 166*	*09/30/20 16:03*	*10/01/20 17:12*	*1*
Nitrobenzene-d5	*85*		*37 - 147*	*09/30/20 16:03*	*10/01/20 17:12*	*1*
Phenol-d5	*65*		*30 - 153*	*09/30/20 16:03*	*10/01/20 17:12*	*1*
Terphenyl-d14	*104*		*42 - 157*	*09/30/20 16:03*	*10/01/20 17:12*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.024		0.024	0.012	mg/Kg	☼		09/27/20 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*59 - 120*		*09/27/20 21:42*	*1*
a,a,a-Trifluorotoluene	*85*		*70 - 120*		*09/27/20 21:42*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**130**	**B**	9.8	3.8	mg/Kg	☼	10/01/20 16:23	10/02/20 06:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*119*		*40 - 133*	*10/01/20 16:23*	*10/02/20 06:42*	*1*
o-Terphenyl	*128*	*X*	*50 - 126*	*10/01/20 16:23*	*10/02/20 06:42*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<2.0		2.0	0.40	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
4,4'-DDE	<2.0		2.0	0.33	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
4,4'-DDT	<2.0		2.0	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Aldrin	<2.0		2.0	0.83	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
alpha-BHC	<2.0		2.0	0.50	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
beta-BHC	<2.0		2.0	0.62	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Chlordane (technical)	<8.0		8.0	3.9	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
cis-Chlordane	<2.0		2.0	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
delta-BHC	<2.0		2.0	0.63	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Dieldrin	<2.0		2.0	0.27	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Endosulfan I	<2.0		2.0	0.87	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Endosulfan II	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Endosulfan sulfate	<2.0		2.0	0.36	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Endrin	<2.0		2.0	0.28	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1

Client Sample ID: SG-5(15-20)-092120
Date Collected: 09/21/20 12:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-5
Matrix: Solid
Percent Solids: 83.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<2.0		2.0	0.33	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Endrin ketone	<2.0		2.0	0.45	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
gamma-BHC (Lindane)	<2.0		2.0	0.43	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Heptachlor	<2.0		2.0	0.83	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Heptachlor epoxide	<2.0		2.0	0.71	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Methoxychlor	<9.9		9.9	0.39	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
Toxaphene	<20		20	8.4	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1
trans-Chlordane	<2.0		2.0	0.52	ug/Kg	☼	09/30/20 06:38	10/01/20 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*33 - 148*	*09/30/20 06:38*	*10/01/20 02:31*	*1*
Tetrachloro-m-xylene	*61*		*30 - 121*	*09/30/20 06:38*	*10/01/20 02:31*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	7.0	ug/Kg	☼	09/30/20 06:38	09/30/20 20:01	1
PCB-1221	<20		20	8.7	ug/Kg	☼	09/30/20 06:38	09/30/20 20:01	1
PCB-1232	<20		20	8.7	ug/Kg	☼	09/30/20 06:38	09/30/20 20:01	1
PCB-1242	<20		20	6.5	ug/Kg	☼	09/30/20 06:38	09/30/20 20:01	1
PCB-1248	<20		20	7.8	ug/Kg	☼	09/30/20 06:38	09/30/20 20:01	1
PCB-1254	<20		20	4.3	ug/Kg	☼	09/30/20 06:38	09/30/20 20:01	1
PCB-1260	<20		20	9.8	ug/Kg	☼	09/30/20 06:38	09/30/20 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*37 - 121*	*09/30/20 06:38*	*09/30/20 20:01*	*1*
Tetrachloro-m-xylene	*70*		*49 - 129*	*09/30/20 06:38*	*09/30/20 20:01*	*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		09/28/20 16:51	09/29/20 08:42	1
Barium	**0.68**		0.50	0.050	mg/L		09/28/20 16:51	09/29/20 08:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 08:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 08:42	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:42	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:42	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:42	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 08:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 08:42	1
Manganese	**2.0**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:42	1
Nickel	**0.044**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:42	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 08:42	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:42	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:51	09/29/20 08:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:09	1
Barium	<0.50		0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:09	1

Client Sample ID: SG-5(15-20)-092120

Date Collected: 09/21/20 12:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-5

Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:09	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:09	1
Iron	**0.53**		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:09	1
Manganese	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:09	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:09	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:09	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:09	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.59**	**J**	1.1	0.21	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Arsenic	**5.6**		0.55	0.19	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Barium	**50**		0.55	0.063	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Beryllium	**0.76**		0.22	0.051	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Cadmium	**0.16**		0.11	0.020	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Calcium	**74000**	**B**	110	19	mg/Kg	☼	09/25/20 08:09	09/28/20 04:37	10
Chromium	**18**		0.55	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Cobalt	**11**		0.27	0.072	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Copper	**21**		0.55	0.15	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Iron	**16000**		11	5.7	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Lead	**11**		0.27	0.13	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Magnesium	**32000**		5.5	2.7	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Manganese	**360**		0.55	0.080	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Nickel	**29**		0.55	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Potassium	**4000**		27	9.7	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Silver	<0.27		0.27	0.071	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Sodium	**230**		55	8.1	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Thallium	**0.63**		0.55	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Vanadium	**23**		0.27	0.065	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1
Zinc	**44**		1.1	0.48	mg/Kg	☼	09/25/20 08:09	09/28/20 00:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/28/20 10:15	09/29/20 06:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**33**	**B**	19	6.2	ug/Kg	☼	09/25/20 14:00	09/28/20 07:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.31		0.31	0.16	mg/Kg	☼	09/30/20 10:48	09/30/20 13:36	1
pH	**8.5**		0.2	0.2	SU			09/25/20 14:58	1

Client Sample ID: SG-5(15-20)-092120D
Date Collected: 09/21/20 12:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-6
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Acetone	<16		16	6.9	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 134*	*09/22/20 16:40*	*09/24/20 15:35*	*1*
4-Bromofluorobenzene (Surr)	*109*		*75 - 131*	*09/22/20 16:40*	*09/24/20 15:35*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*09/22/20 16:40*	*09/24/20 15:35*	*1*
Toluene-d8 (Surr)	*99*		*75 - 124*	*09/22/20 16:40*	*09/24/20 15:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1

Client Sample ID: SG-5(15-20)-092120D
Date Collected: 09/21/20 12:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-6
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2-Methylnaphthalene	**19**	**J**	78	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2-Methylphenol	<200		200	62	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Anthracene	<39		39	6.5	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Benzo[a]anthracene	**9.4**	**J**	39	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Benzo[g,h,i]perylene	**14**	**J**	39	13	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Carbazole	<200		200	97	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Chrysene	**19**	**J**	39	11	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Fluoranthene	**14**	**J**	39	7.2	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Fluorene	<39		39	5.5	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Hexachloroethane	<200		200	59	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1

Client Sample ID: SG-5(15-20)-092120D

Date Collected: 09/21/20 12:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-6

Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Isophorone	<200		200	44	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Naphthalene	**6.9**	**J**	39	6.0	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
N-Nitrosodi-n-propylamine	<78		78	48	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Phenanthrene	**69**		39	5.4	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Phenol	<200		200	86	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1
Pyrene	**15**	**J**	39	7.7	ug/Kg	☼	09/30/20 16:03	10/01/20 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*31 - 143*	*09/30/20 16:03*	*10/01/20 18:02*	*1*
2-Fluorobiphenyl	*86*		*43 - 145*	*09/30/20 16:03*	*10/01/20 18:02*	*1*
2-Fluorophenol	*67*		*31 - 166*	*09/30/20 16:03*	*10/01/20 18:02*	*1*
Nitrobenzene-d5	*102*		*37 - 147*	*09/30/20 16:03*	*10/01/20 18:02*	*1*
Phenol-d5	*63*		*30 - 153*	*09/30/20 16:03*	*10/01/20 18:02*	*1*
Terphenyl-d14	*90*		*42 - 157*	*09/30/20 16:03*	*10/01/20 18:02*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.024		0.024	0.012	mg/Kg	☼		09/27/20 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*		*59 - 120*		*09/27/20 22:17*	*1*
a,a,a-Trifluorotoluene	*84*		*70 - 120*		*09/27/20 22:17*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**99**	**B**	9.9	3.8	mg/Kg	☼	10/01/20 16:23	10/02/20 07:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*113*		*40 - 133*	*10/01/20 16:23*	*10/02/20 07:53*	*1*
o-Terphenyl	*123*		*50 - 126*	*10/01/20 16:23*	*10/02/20 07:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<2.0		2.0	0.40	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
4,4'-DDE	<2.0		2.0	0.33	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
4,4'-DDT	<2.0		2.0	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Aldrin	<2.0		2.0	0.83	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
alpha-BHC	<2.0		2.0	0.51	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
beta-BHC	<2.0		2.0	0.62	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Chlordane (technical)	<8.0		8.0	3.9	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
cis-Chlordane	<2.0		2.0	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
delta-BHC	<2.0		2.0	0.63	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Dieldrin	<2.0		2.0	0.27	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Endosulfan I	<2.0		2.0	0.87	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Endosulfan II	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Endosulfan sulfate	<2.0		2.0	0.36	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Endrin	<2.0		2.0	0.28	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1

Client Sample ID: SG-5(15-20)-092120D
Date Collected: 09/21/20 12:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-6
Matrix: Solid
Percent Solids: 83.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<2.0		2.0	0.34	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Endrin ketone	<2.0		2.0	0.45	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
gamma-BHC (Lindane)	<2.0		2.0	0.43	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Heptachlor	<2.0		2.0	0.84	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Heptachlor epoxide	<2.0		2.0	0.71	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Methoxychlor	<9.9		9.9	0.39	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
Toxaphene	<20		20	8.4	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1
trans-Chlordane	<2.0		2.0	0.52	ug/Kg	☼	09/30/20 06:38	10/01/20 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*33 - 148*	*09/30/20 06:38*	*10/01/20 02:51*	*1*
Tetrachloro-m-xylene	*74*		*30 - 121*	*09/30/20 06:38*	*10/01/20 02:51*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	7.0	ug/Kg	☼	09/30/20 06:38	09/30/20 20:17	1
PCB-1221	<20		20	8.8	ug/Kg	☼	09/30/20 06:38	09/30/20 20:17	1
PCB-1232	<20		20	8.7	ug/Kg	☼	09/30/20 06:38	09/30/20 20:17	1
PCB-1242	<20		20	6.5	ug/Kg	☼	09/30/20 06:38	09/30/20 20:17	1
PCB-1248	<20		20	7.8	ug/Kg	☼	09/30/20 06:38	09/30/20 20:17	1
PCB-1254	<20		20	4.3	ug/Kg	☼	09/30/20 06:38	09/30/20 20:17	1
PCB-1260	<20		20	9.8	ug/Kg	☼	09/30/20 06:38	09/30/20 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*37 - 121*	*09/30/20 06:38*	*09/30/20 20:17*	*1*
Tetrachloro-m-xylene	*82*		*49 - 129*	*09/30/20 06:38*	*09/30/20 20:17*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:51	09/29/20 08:47	1
Barium	**0.66**		0.50	0.050	mg/L		09/28/20 16:51	09/29/20 08:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 08:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 08:47	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:47	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:47	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:47	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 08:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 08:47	1
Manganese	**1.9**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:47	1
Nickel	**0.045**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:47	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 08:47	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:47	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:51	09/29/20 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:12	1
Barium	<0.50		0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:12	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:12	1

Client Sample ID: SG-5(15-20)-092120D

Date Collected: 09/21/20 12:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-6

Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:12	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:12	1
Iron	**0.42**		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:12	1
Manganese	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:12	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:12	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:12	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:12	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.67**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Arsenic	**5.5**		0.57	0.19	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Barium	**48**		0.57	0.065	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Beryllium	**0.72**		0.23	0.053	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Cadmium	**0.19**		0.11	0.020	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Calcium	**72000**	**B**	110	19	mg/Kg	☼	09/25/20 08:09	09/28/20 04:41	10
Chromium	**17**		0.57	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Cobalt	**11**		0.28	0.074	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Copper	**21**		0.57	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Iron	**16000**		11	5.9	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Lead	**11**		0.28	0.13	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Magnesium	**30000**		5.7	2.8	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Manganese	**360**		0.57	0.082	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Nickel	**29**		0.57	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Potassium	**3600**		28	10	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Sodium	**220**		57	8.4	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Thallium	**0.38**	**J**	0.57	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Vanadium	**21**		0.28	0.067	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	1
Zinc	**59**		1.1	0.50	mg/Kg	☼	09/25/20 08:09	09/28/20 00:39	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		09/28/20 10:15	09/29/20 06:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**20**	**B**	19	6.3	ug/Kg	☼	09/25/20 14:00	09/28/20 07:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.32		0.32	0.16	mg/Kg	☼	09/30/20 10:48	09/30/20 13:38	1
pH	**8.5**		0.2	0.2	SU			09/25/20 15:01	1

Client Sample ID: SG-3(0-5)-092120

Date Collected: 09/21/20 12:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-7

Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Acetone	<16		16	7.1	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Benzene	<1.6		1.6	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Bromoform	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Carbon disulfide	<4.1		4.1	0.85	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Chloroform	<1.6		1.6	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
cis-1,2-Dichloroethene	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Tetrachloroethene	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1
Xylenes, Total	<3.3		3.3	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 134*	*09/22/20 16:40*	*09/24/20 16:01*	*1*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*09/22/20 16:40*	*09/24/20 16:01*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*09/22/20 16:40*	*09/24/20 16:01*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*09/22/20 16:40*	*09/24/20 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188167-1

Client Sample ID: SG-3(0-5)-092120
Date Collected: 09/21/20 12:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-7
Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2-Methylphenol	<190		190	62	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Anthracene	<38		38	6.5	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Benzo[b]fluoranthene	<38		38	8.4	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Carbazole	<190		190	97	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Chrysene	<38		38	11	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Hexachloroethane	<190		190	59	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1

Client Sample ID: SG-3(0-5)-092120

Date Collected: 09/21/20 12:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-7

Matrix: Solid
Percent Solids: 84.3

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	<38		38	10	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Isophorone	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Naphthalene	<38		38	6.0	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Phenol	<190		190	86	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1
Pyrene	<38		38	7.7	ug/Kg	☼	09/30/20 16:03	10/01/20 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*31 - 143*	*09/30/20 16:03*	*10/01/20 13:33*	*1*
2-Fluorobiphenyl	*73*		*43 - 145*	*09/30/20 16:03*	*10/01/20 13:33*	*1*
2-Fluorophenol	*81*		*31 - 166*	*09/30/20 16:03*	*10/01/20 13:33*	*1*
Nitrobenzene-d5	*80*		*37 - 147*	*09/30/20 16:03*	*10/01/20 13:33*	*1*
Phenol-d5	*65*		*30 - 153*	*09/30/20 16:03*	*10/01/20 13:33*	*1*
Terphenyl-d14	*107*		*42 - 157*	*09/30/20 16:03*	*10/01/20 13:33*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.024		0.024	0.012	mg/Kg	☼		09/27/20 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*59 - 120*		*09/27/20 22:52*	*1*
a,a,a-Trifluorotoluene	*85*		*70 - 120*		*09/27/20 22:52*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**12**	**B**	9.8	3.8	mg/Kg	☼	10/01/20 16:23	10/02/20 08:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*138*	*X*	*40 - 133*	*10/01/20 16:23*	*10/02/20 08:28*	*1*
o-Terphenyl	*119*		*50 - 126*	*10/01/20 16:23*	*10/02/20 08:28*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<2.0		2.0	0.38	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
4,4'-DDE	**0.75**	**J**	2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
4,4'-DDT	<2.0		2.0	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Aldrin	<2.0		2.0	0.80	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
alpha-BHC	<2.0		2.0	0.49	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
beta-BHC	<2.0		2.0	0.60	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Chlordane (technical)	<7.7		7.7	3.8	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
cis-Chlordane	<2.0		2.0	0.98	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
delta-BHC	<2.0		2.0	0.61	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Dieldrin	<2.0		2.0	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Endosulfan I	<2.0		2.0	0.84	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Endosulfan II	<2.0		2.0	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Endosulfan sulfate	<2.0		2.0	0.35	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Endrin	<2.0		2.0	0.27	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1

Client Sample ID: SG-3(0-5)-092120

Date Collected: 09/21/20 12:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-7

Matrix: Solid
Percent Solids: 84.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Endrin ketone	<2.0		2.0	0.44	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
gamma-BHC (Lindane)	<2.0		2.0	0.42	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Heptachlor	<2.0		2.0	0.81	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Heptachlor epoxide	<2.0		2.0	0.69	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Methoxychlor	<9.6		9.6	0.37	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
Toxaphene	<19		19	8.1	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1
trans-Chlordane	<2.0		2.0	0.51	ug/Kg	☼	09/30/20 06:38	10/01/20 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*33 - 148*	*09/30/20 06:38*	*10/01/20 03:12*	*1*
Tetrachloro-m-xylene	*81*		*30 - 121*	*09/30/20 06:38*	*10/01/20 03:12*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.8	ug/Kg	☼	09/30/20 06:38	09/30/20 20:32	1
PCB-1221	<19		19	8.5	ug/Kg	☼	09/30/20 06:38	09/30/20 20:32	1
PCB-1232	<19		19	8.4	ug/Kg	☼	09/30/20 06:38	09/30/20 20:32	1
PCB-1242	<19		19	6.3	ug/Kg	☼	09/30/20 06:38	09/30/20 20:32	1
PCB-1248	<19		19	7.6	ug/Kg	☼	09/30/20 06:38	09/30/20 20:32	1
PCB-1254	<19		19	4.2	ug/Kg	☼	09/30/20 06:38	09/30/20 20:32	1
PCB-1260	<19		19	9.5	ug/Kg	☼	09/30/20 06:38	09/30/20 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*37 - 121*	*09/30/20 06:38*	*09/30/20 20:32*	*1*
Tetrachloro-m-xylene	*87*		*49 - 129*	*09/30/20 06:38*	*09/30/20 20:32*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:51	09/29/20 08:51	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		09/28/20 16:51	09/29/20 08:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 08:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 08:51	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:51	1
Cobalt	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:51	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:51	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 08:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 08:51	1
Manganese	**1.1**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:51	1
Nickel	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:51	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 08:51	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 08:51	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:51	09/29/20 08:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:16	1
Barium	**0.056**	**J**	0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:16	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:16	1

Client Sample ID: SG-3(0-5)-092120

Date Collected: 09/21/20 12:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-7

Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:16	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:16	1
Iron	**3.9**		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:16	1
Manganese	**0.017**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:16	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:16	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:16	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:16	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.78**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Arsenic	**8.3**		0.56	0.19	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Barium	**62**		0.56	0.064	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Beryllium	**0.82**		0.23	0.053	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Cadmium	**0.20**		0.11	0.020	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Calcium	**62000**	**B**	110	19	mg/Kg	☼	09/25/20 08:09	09/28/20 04:45	10
Chromium	**18**		0.56	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Cobalt	**8.8**		0.28	0.074	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Copper	**23**		0.56	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Iron	**22000**		11	5.9	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Lead	**17**		0.28	0.13	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Magnesium	**30000**		5.6	2.8	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Manganese	**390**		0.56	0.082	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Nickel	**27**		0.56	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Potassium	**3200**		28	10	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Selenium	**0.38**	**J**	0.56	0.33	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Sodium	**520**		56	8.3	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Thallium	**0.41**	**J**	0.56	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Vanadium	**26**		0.28	0.067	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1
Zinc	**57**		1.1	0.50	mg/Kg	☼	09/25/20 08:09	09/28/20 00:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/28/20 10:15	09/29/20 06:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**43**	**B**	19	6.2	ug/Kg	☼	09/25/20 14:00	09/28/20 07:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.29		0.29	0.14	mg/Kg	☼	09/30/20 10:48	09/30/20 13:40	1
pH	**8.3**		0.2	0.2	SU			09/25/20 22:36	1

Client Sample ID: SG-3(5-10)-092120

Date Collected: 09/21/20 12:55
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-8

Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Acetone	<15		15	6.7	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*	*09/22/20 16:40*	*09/24/20 16:27*	*1*
4-Bromofluorobenzene (Surr)	*111*		*75 - 131*	*09/22/20 16:40*	*09/24/20 16:27*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*09/22/20 16:40*	*09/24/20 16:27*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*09/22/20 16:40*	*09/24/20 16:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1

Client Sample ID: SG-3(5-10)-092120
Date Collected: 09/21/20 12:55
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-8
Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2,4-Dinitrophenol	<730		730	630	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2-Methylnaphthalene	**6.6**	**J**	73	6.6	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2-Methylphenol	<180		180	58	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Anthracene	<36		36	6.0	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Benzo[a]anthracene	**25**	**J**	36	4.9	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Benzo[a]pyrene	**45**		36	7.0	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Benzo[b]fluoranthene	**39**		36	7.8	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Benzo[g,h,i]perylene	**15**	**J**	36	12	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Benzo[k]fluoranthene	**50**		36	11	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Carbazole	<180		180	90	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Chrysene	**46**		36	9.8	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Fluoranthene	**55**		36	6.7	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Fluorene	<36		36	5.1	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Hexachloroethane	<180		180	55	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1

Client Sample ID: SG-3(5-10)-092120

Date Collected: 09/21/20 12:55
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-8

Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.3	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Isophorone	<180		180	40	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Naphthalene	<36		36	5.5	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Phenanthrene	**24**	**J**	36	5.0	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Phenol	<180		180	80	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1
Pyrene	**97**		36	7.2	ug/Kg	☼	09/30/20 16:03	10/01/20 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*31 - 143*	*09/30/20 16:03*	*10/01/20 18:31*	*1*
2-Fluorobiphenyl	*77*		*43 - 145*	*09/30/20 16:03*	*10/01/20 18:31*	*1*
2-Fluorophenol	*84*		*31 - 166*	*09/30/20 16:03*	*10/01/20 18:31*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*09/30/20 16:03*	*10/01/20 18:31*	*1*
Phenol-d5	*74*		*30 - 153*	*09/30/20 16:03*	*10/01/20 18:31*	*1*
Terphenyl-d14	*110*		*42 - 157*	*09/30/20 16:03*	*10/01/20 18:31*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.023		0.023	0.011	mg/Kg	☼		09/27/20 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*59 - 120*		*09/27/20 23:27*	*1*
a,a,a-Trifluorotoluene	*89*		*70 - 120*		*09/27/20 23:27*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**86**	**B**	47	18	mg/Kg	☼	10/01/20 16:23	10/02/20 09:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*40 - 133*	*10/01/20 16:23*	*10/02/20 09:03*	*5*
o-Terphenyl	*107*		*50 - 126*	*10/01/20 16:23*	*10/02/20 09:03*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<9.4		9.4	1.8	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
4,4'-DDE	<9.4		9.4	1.5	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
4,4'-DDT	<9.4		9.4	4.9	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Aldrin	<9.4		9.4	3.8	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
alpha-BHC	<9.4		9.4	2.3	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
beta-BHC	<9.4		9.4	2.9	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Chlordane (technical)	<37		37	18	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
cis-Chlordane	<9.4		9.4	4.7	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
delta-BHC	<9.4		9.4	2.9	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Dieldrin	<9.4		9.4	1.3	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Endosulfan I	<9.4		9.4	4.0	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Endosulfan II	<9.4		9.4	1.5	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Endosulfan sulfate	<9.4		9.4	1.7	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Endrin	<9.4		9.4	1.3	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5

Client Sample ID: SG-3(5-10)-092120
Date Collected: 09/21/20 12:55
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-8
Matrix: Solid
Percent Solids: 87.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<9.4		9.4	1.6	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Endrin ketone	<9.4		9.4	2.1	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
gamma-BHC (Lindane)	<9.4		9.4	2.0	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Heptachlor	<9.4		9.4	3.9	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Heptachlor epoxide	<9.4		9.4	3.3	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Methoxychlor	<46		46	1.8	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
Toxaphene	<92		92	39	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5
trans-Chlordane	<9.4		9.4	2.4	ug/Kg	☼	09/30/20 06:38	10/01/20 03:32	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*33 - 148*	*09/30/20 06:38*	*10/01/20 03:32*	*5*
Tetrachloro-m-xylene	*99*		*30 - 121*	*09/30/20 06:38*	*10/01/20 03:32*	*5*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<18		18	6.5	ug/Kg	☼	09/30/20 06:38	09/30/20 20:48	1
PCB-1221	<18		18	8.1	ug/Kg	☼	09/30/20 06:38	09/30/20 20:48	1
PCB-1232	<18		18	8.0	ug/Kg	☼	09/30/20 06:38	09/30/20 20:48	1
PCB-1242	<18		18	6.1	ug/Kg	☼	09/30/20 06:38	09/30/20 20:48	1
PCB-1248	<18		18	7.3	ug/Kg	☼	09/30/20 06:38	09/30/20 20:48	1
PCB-1254	<18		18	4.0	ug/Kg	☼	09/30/20 06:38	09/30/20 20:48	1
PCB-1260	<18		18	9.1	ug/Kg	☼	09/30/20 06:38	09/30/20 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*37 - 121*	*09/30/20 06:38*	*09/30/20 20:48*	*1*
Tetrachloro-m-xylene	*109*		*49 - 129*	*09/30/20 06:38*	*09/30/20 20:48*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:51	09/29/20 09:07	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		09/28/20 16:51	09/29/20 09:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 09:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 09:07	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:07	1
Cobalt	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:07	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:07	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 09:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 09:07	1
Manganese	**1.6**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:07	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:07	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 09:07	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:07	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:51	09/29/20 09:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:19	1
Barium	**0.053**	**J**	0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:19	1
Chromium	**0.013**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:19	1

Client Sample ID: SG-3(5-10)-092120

Date Collected: 09/21/20 12:55
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-8

Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:19	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:19	1
Iron	**8.7**		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:19	1
Manganese	**0.041**		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:19	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:19	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:19	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:19	1
Zinc	**0.026**	**J**	0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.79**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Arsenic	**8.9**		0.55	0.19	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Barium	**34**		0.55	0.063	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Beryllium	**0.57**		0.22	0.052	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Cadmium	**0.27**		0.11	0.020	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Calcium	**85000**	**B**	110	19	mg/Kg	☼	09/25/20 08:09	09/28/20 04:49	10
Chromium	**13**		0.55	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Cobalt	**8.2**		0.28	0.073	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Copper	**21**		0.55	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Iron	**25000**		110	58	mg/Kg	☼	09/25/20 08:09	09/28/20 04:49	10
Lead	**15**		0.28	0.13	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Magnesium	**48000**		55	28	mg/Kg	☼	09/25/20 08:09	09/28/20 04:49	10
Manganese	**420**		0.55	0.080	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Nickel	**24**		0.55	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Potassium	**2600**		28	9.8	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Selenium	**0.41**	**J**	0.55	0.33	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Sodium	**350**		55	8.2	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Thallium	**0.33**	**J**	0.55	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Vanadium	**19**		0.28	0.065	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	1
Zinc	**50**		1.1	0.49	mg/Kg	☼	09/25/20 08:09	09/28/20 00:47	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		09/28/20 10:15	09/29/20 06:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**	**B**	18	6.1	ug/Kg	☼	09/25/20 14:00	09/28/20 07:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.24		0.24	0.12	mg/Kg	☼	09/30/20 10:48	09/30/20 13:42	1
pH	**8.3**		0.2	0.2	SU			09/25/20 22:41	1

Client Sample ID: SG-3(10-15)-092120

Date Collected: 09/21/20 13:00
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-9

Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Acetone	<17		17	7.2	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Bromoform	<1.7		1.7	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Bromomethane	<4.1		4.1	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Carbon disulfide	<4.1		4.1	0.86	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Chloroform	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Chloromethane	<4.1		4.1	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
cis-1,2-Dichloroethene	<1.7		1.7	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Ethylbenzene	<1.7		1.7	0.79	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Tetrachloroethene	<1.7		1.7	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
trans-1,2-Dichloroethene	<1.7		1.7	0.73	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Vinyl chloride	<1.7		1.7	0.73	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 134*	*09/22/20 16:40*	*09/24/20 16:53*	*1*
4-Bromofluorobenzene (Surr)	*115*		*75 - 131*	*09/22/20 16:40*	*09/24/20 16:53*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*09/22/20 16:40*	*09/24/20 16:53*	*1*
Toluene-d8 (Surr)	*102*		*75 - 124*	*09/22/20 16:40*	*09/24/20 16:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1

Client Sample ID: SG-3(10-15)-092120
Date Collected: 09/21/20 13:00
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-9
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2-Methylphenol	<190		190	59	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Carbazole	<190		190	92	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Chrysene	**27**	**J**	37	10	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Dibenzofuran	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Fluoranthene	<37		37	6.8	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Hexachlorobenzene	<74		74	8.6	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Hexachloroethane	<190		190	56	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188167-1

Client Sample ID: SG-3(10-15)-092120
Date Collected: 09/21/20 13:00
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-9
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Isophorone	<190		190	41	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Phenanthrene	**36**	**J**	37	5.1	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Phenol	<190		190	82	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1
Pyrene	**8.7**	**J**	37	7.3	ug/Kg	☼	09/30/20 16:03	10/01/20 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*57*		*31 - 143*	*09/30/20 16:03*	*10/01/20 14:00*	*1*
2-Fluorobiphenyl	*73*		*43 - 145*	*09/30/20 16:03*	*10/01/20 14:00*	*1*
2-Fluorophenol	*76*		*31 - 166*	*09/30/20 16:03*	*10/01/20 14:00*	*1*
Nitrobenzene-d5	*81*		*37 - 147*	*09/30/20 16:03*	*10/01/20 14:00*	*1*
Phenol-d5	*69*		*30 - 153*	*09/30/20 16:03*	*10/01/20 14:00*	*1*
Terphenyl-d14	*87*		*42 - 157*	*09/30/20 16:03*	*10/01/20 14:00*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.023		0.023	0.012	mg/Kg	☼		09/28/20 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*77*		*59 - 120*		*09/28/20 00:37*	*1*
a,a,a-Trifluorotoluene	*81*		*70 - 120*		*09/28/20 00:37*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**74**	**B**	9.7	3.7	mg/Kg	☼	10/01/20 16:23	10/02/20 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*40 - 133*	*10/01/20 16:23*	*10/02/20 10:49*	*1*
o-Terphenyl	*112*		*50 - 126*	*10/01/20 16:23*	*10/02/20 10:49*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<1.9		1.9	0.38	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
4,4'-DDE	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
4,4'-DDT	<1.9		1.9	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Aldrin	<1.9		1.9	0.79	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
alpha-BHC	<1.9		1.9	0.48	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
beta-BHC	<1.9		1.9	0.59	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Chlordane (technical)	<7.6		7.6	3.7	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
cis-Chlordane	<1.9		1.9	0.96	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
delta-BHC	<1.9		1.9	0.60	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Dieldrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Endosulfan I	<1.9		1.9	0.83	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Endosulfan II	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Endosulfan sulfate	<1.9		1.9	0.35	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Endrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1

Client Sample ID: SG-3(10-15)-092120

Date Collected: 09/21/20 13:00
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-9

Matrix: Solid
Percent Solids: 85.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<1.9		1.9	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Endrin ketone	<1.9		1.9	0.43	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
gamma-BHC (Lindane)	<1.9		1.9	0.41	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Heptachlor	<1.9		1.9	0.80	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Heptachlor epoxide	<1.9		1.9	0.68	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Methoxychlor	<9.4		9.4	0.37	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
Toxaphene	<19		19	8.0	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1
trans-Chlordane	<1.9		1.9	0.50	ug/Kg	☼	09/30/20 06:38	10/01/20 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*123*		*33 - 148*	*09/30/20 06:38*	*10/01/20 04:13*	*1*
Tetrachloro-m-xylene	*81*		*30 - 121*	*09/30/20 06:38*	*10/01/20 04:13*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.7	ug/Kg	☼	09/30/20 06:38	09/30/20 21:03	1
PCB-1221	<19		19	8.3	ug/Kg	☼	09/30/20 06:38	09/30/20 21:03	1
PCB-1232	<19		19	8.3	ug/Kg	☼	09/30/20 06:38	09/30/20 21:03	1
PCB-1242	<19		19	6.2	ug/Kg	☼	09/30/20 06:38	09/30/20 21:03	1
PCB-1248	<19		19	7.5	ug/Kg	☼	09/30/20 06:38	09/30/20 21:03	1
PCB-1254	<19		19	4.1	ug/Kg	☼	09/30/20 06:38	09/30/20 21:03	1
PCB-1260	<19		19	9.3	ug/Kg	☼	09/30/20 06:38	09/30/20 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*37 - 121*	*09/30/20 06:38*	*09/30/20 21:03*	*1*
Tetrachloro-m-xylene	*73*		*49 - 129*	*09/30/20 06:38*	*09/30/20 21:03*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:51	09/29/20 09:11	1
Barium	**0.70**		0.50	0.050	mg/L		09/28/20 16:51	09/29/20 09:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 09:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 09:11	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:11	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:11	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:11	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 09:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 09:11	1
Manganese	**2.0**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:11	1
Nickel	**0.047**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:11	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 09:11	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:11	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:51	09/29/20 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:22	1
Barium	**0.061**	**J**	0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:22	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:22	1

Client Sample ID: SG-3(10-15)-092120

Date Collected: 09/21/20 13:00
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-9

Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:22	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:22	1
Iron	**1.1**		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:22	1
Manganese	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:22	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:22	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:22	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:22	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.54**	**J**	1.1	0.21	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Arsenic	**5.1**		0.55	0.19	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Barium	**53**		0.55	0.062	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Beryllium	**0.76**		0.22	0.051	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Cadmium	**0.15**		0.11	0.020	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Calcium	**78000**	**B**	110	19	mg/Kg	☼	09/25/20 08:09	09/28/20 05:05	10
Chromium	**19**		0.55	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Cobalt	**11**		0.27	0.072	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Copper	**21**		0.55	0.15	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Iron	**16000**		11	5.7	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Lead	**11**		0.27	0.13	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Magnesium	**32000**		5.5	2.7	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Manganese	**380**		0.55	0.079	mg/Kg	☼	09/25/20 08:09	09/28/20 04:53	1
Nickel	**29**		0.55	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Potassium	**4100**		27	9.7	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Selenium	**0.35**	**J**	0.55	0.32	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Sodium	**240**		55	8.1	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Thallium	**0.40**	**J**	0.55	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Vanadium	**23**		0.27	0.064	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1
Zinc	**43**		1.1	0.48	mg/Kg	☼	09/25/20 08:09	09/28/20 00:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/28/20 10:15	09/29/20 06:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**32**	**B**	19	6.3	ug/Kg	☼	09/25/20 14:00	09/28/20 07:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.29		0.29	0.15	mg/Kg	☼	09/30/20 10:54	09/30/20 14:31	1
pH	**8.2**		0.2	0.2	SU			09/25/20 22:43	1

Client Sample ID: SG-3(15-20)-092120

Date Collected: 09/21/20 13:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-10

Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Acetone	**7.9**	**J**	15	6.7	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Bromodichloromethane	<1.5		1.5	0.32	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Chloroethane	<3.9		3.9	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Chloroform	<1.5		1.5	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
cis-1,3-Dichloropropene	<1.5		1.5	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Dibromochloromethane	<1.5		1.5	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Ethylbenzene	<1.5		1.5	0.74	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
methyl isobutyl ketone	<3.9		3.9	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Styrene	<1.5		1.5	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Tetrachloroethene	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
trans-1,2-Dichloroethene	<1.5		1.5	0.69	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Vinyl chloride	<1.5		1.5	0.69	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 134*	*09/22/20 16:40*	*09/24/20 17:19*	*1*
4-Bromofluorobenzene (Surr)	*112*		*75 - 131*	*09/22/20 16:40*	*09/24/20 17:19*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*09/22/20 16:40*	*09/24/20 17:19*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*09/22/20 16:40*	*09/24/20 17:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1

Client Sample ID: SG-3(15-20)-092120

Date Collected: 09/21/20 13:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-10

Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2-Methylnaphthalene	**12**	**J**	77	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2-Methylphenol	<190		190	62	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Carbazole	<190		190	96	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Chrysene	**32**	**J**	38	10	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1

Client Sample ID: SG-3(15-20)-092120
Date Collected: 09/21/20 13:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-10
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Isophorone	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Phenanthrene	**49**		38	5.3	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Phenol	<190		190	85	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1
Pyrene	**12**	**J**	38	7.6	ug/Kg	☼	09/30/20 16:03	10/01/20 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*31 - 143*	*09/30/20 16:03*	*10/01/20 14:27*	*1*
2-Fluorobiphenyl	*89*		*43 - 145*	*09/30/20 16:03*	*10/01/20 14:27*	*1*
2-Fluorophenol	*93*		*31 - 166*	*09/30/20 16:03*	*10/01/20 14:27*	*1*
Nitrobenzene-d5	*97*		*37 - 147*	*09/30/20 16:03*	*10/01/20 14:27*	*1*
Phenol-d5	*84*		*30 - 153*	*09/30/20 16:03*	*10/01/20 14:27*	*1*
Terphenyl-d14	*102*		*42 - 157*	*09/30/20 16:03*	*10/01/20 14:27*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.024		0.024	0.012	mg/Kg	☼		09/28/20 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*75*		*59 - 120*		*09/28/20 01:12*	*1*
a,a,a-Trifluorotoluene	*81*		*70 - 120*		*09/28/20 01:12*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**100**	**B**	9.8	3.8	mg/Kg	☼	10/01/20 16:23	10/02/20 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*104*		*40 - 133*	*10/01/20 16:23*	*10/02/20 11:24*	*1*
o-Terphenyl	*126*		*50 - 126*	*10/01/20 16:23*	*10/02/20 11:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<2.0		2.0	0.40	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
4,4'-DDE	<2.0		2.0	0.33	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
4,4'-DDT	<2.0		2.0	1.1	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Aldrin	<2.0		2.0	0.83	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
alpha-BHC	<2.0		2.0	0.51	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
beta-BHC	<2.0		2.0	0.62	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Chlordane (technical)	<8.0		8.0	3.9	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
cis-Chlordane	<2.0		2.0	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
delta-BHC	<2.0		2.0	0.63	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Dieldrin	<2.0		2.0	0.27	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Endosulfan I	<2.0		2.0	0.87	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Endosulfan II	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Endosulfan sulfate	<2.0		2.0	0.36	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Endrin	<2.0		2.0	0.28	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1

Client Sample ID: SG-3(15-20)-092120

Date Collected: 09/21/20 13:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-10

Matrix: Solid
Percent Solids: 83.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<2.0		2.0	0.34	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Endrin ketone	<2.0		2.0	0.45	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
gamma-BHC (Lindane)	<2.0		2.0	0.43	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Heptachlor	<2.0		2.0	0.84	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Heptachlor epoxide	<2.0		2.0	0.71	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Methoxychlor	<9.9		9.9	0.39	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
Toxaphene	<20		20	8.4	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1
trans-Chlordane	<2.0		2.0	0.52	ug/Kg	☼	09/30/20 06:38	10/01/20 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*117*		*33 - 148*	*09/30/20 06:38*	*10/01/20 04:34*	*1*
Tetrachloro-m-xylene	*81*		*30 - 121*	*09/30/20 06:38*	*10/01/20 04:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	7.1	ug/Kg	☼	09/30/20 06:38	09/30/20 21:18	1
PCB-1221	<20		20	8.8	ug/Kg	☼	09/30/20 06:38	09/30/20 21:18	1
PCB-1232	<20		20	8.7	ug/Kg	☼	09/30/20 06:38	09/30/20 21:18	1
PCB-1242	<20		20	6.6	ug/Kg	☼	09/30/20 06:38	09/30/20 21:18	1
PCB-1248	<20		20	7.9	ug/Kg	☼	09/30/20 06:38	09/30/20 21:18	1
PCB-1254	<20		20	4.3	ug/Kg	☼	09/30/20 06:38	09/30/20 21:18	1
PCB-1260	<20		20	9.8	ug/Kg	☼	09/30/20 06:38	09/30/20 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*37 - 121*	*09/30/20 06:38*	*09/30/20 21:18*	*1*
Tetrachloro-m-xylene	*87*		*49 - 129*	*09/30/20 06:38*	*09/30/20 21:18*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:51	09/29/20 09:16	1
Barium	**0.68**		0.50	0.050	mg/L		09/28/20 16:51	09/29/20 09:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 09:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 09:16	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:16	1
Cobalt	**0.013**	**J**	0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:16	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:16	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 09:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 09:16	1
Manganese	**1.8**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:16	1
Nickel	**0.036**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:16	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 09:16	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:16	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:51	09/29/20 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:25	1
Barium	**0.061**	**J**	0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:25	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:25	1

Client Sample ID: SG-3(15-20)-092120

Date Collected: 09/21/20 13:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-10

Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:25	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:25	1
Iron	**1.5**		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:25	1
Manganese	**0.013**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:25	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:25	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:25	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:25	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.68**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Arsenic	**5.6**		0.56	0.19	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Barium	**53**		0.56	0.064	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Beryllium	**0.77**		0.23	0.053	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Cadmium	**0.15**		0.11	0.020	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Calcium	**78000**	**B**	110	19	mg/Kg	☼	09/25/20 08:09	09/28/20 05:13	10
Chromium	**18**		0.56	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Cobalt	**12**		0.28	0.074	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Copper	**22**		0.56	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Iron	**16000**		11	5.9	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Lead	**11**		0.28	0.13	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Magnesium	**31000**		5.6	2.8	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Manganese	**380**		0.56	0.082	mg/Kg	☼	09/25/20 08:09	09/28/20 05:09	1
Nickel	**29**		0.56	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Potassium	**4300**		28	10	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Sodium	**250**		56	8.3	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Thallium	**0.34**	**J**	0.56	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Vanadium	**23**		0.28	0.066	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1
Zinc	**43**		1.1	0.49	mg/Kg	☼	09/25/20 08:09	09/28/20 01:03	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/28/20 10:15	09/29/20 06:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**18**	**J B**	19	6.2	ug/Kg	☼	09/25/20 14:00	09/28/20 07:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.34		0.34	0.17	mg/Kg	☼	09/30/20 10:54	09/30/20 14:29	1
pH	**8.4**		0.2	0.2	SU			09/29/20 14:09	1

Client Sample ID: SG-4(0-5)-092120

Date Collected: 09/21/20 13:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-11

Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Acetone	**23**		17	7.3	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Chloroethane	<4.2		4.2	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Methyl Ethyl Ketone	**2.9**	**J**	4.2	1.9	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*	*09/22/20 16:40*	*09/24/20 17:45*	*1*
4-Bromofluorobenzene (Surr)	*113*		*75 - 131*	*09/22/20 16:40*	*09/24/20 17:45*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*09/22/20 16:40*	*09/24/20 17:45*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*09/22/20 16:40*	*09/24/20 17:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1

Client Sample ID: SG-4(0-5)-092120
Date Collected: 09/21/20 13:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-11
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2-Methylphenol	<180		180	59	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Acenaphthylene	<37		37	4.8	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Anthracene	<37		37	6.1	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Benzo[a]anthracene	<37		37	4.9	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Benzo[b]fluoranthene	<37		37	7.9	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Bis(2-chloroethoxy)methane	<180		180	38	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Carbazole	<180		180	92	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Chrysene	<37		37	10	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Fluoranthene	<37		37	6.8	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Hexachloroethane	<180		180	56	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1

Client Sample ID: SG-4(0-5)-092120

Date Collected: 09/21/20 13:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-11

Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.5	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Isophorone	<180		180	41	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Phenanthrene	**5.7**	**J**	37	5.1	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Phenol	<180		180	82	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1
Pyrene	<37		37	7.3	ug/Kg	☼	09/30/20 16:03	10/01/20 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*31 - 143*	*09/30/20 16:03*	*10/01/20 14:55*	*1*
2-Fluorobiphenyl	*84*		*43 - 145*	*09/30/20 16:03*	*10/01/20 14:55*	*1*
2-Fluorophenol	*92*		*31 - 166*	*09/30/20 16:03*	*10/01/20 14:55*	*1*
Nitrobenzene-d5	*95*		*37 - 147*	*09/30/20 16:03*	*10/01/20 14:55*	*1*
Phenol-d5	*85*		*30 - 153*	*09/30/20 16:03*	*10/01/20 14:55*	*1*
Terphenyl-d14	*103*		*42 - 157*	*09/30/20 16:03*	*10/01/20 14:55*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	**0.027**		0.023	0.012	mg/Kg	☼		09/28/20 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*75*		*59 - 120*		*09/28/20 01:47*	*1*
a,a,a-Trifluorotoluene	*74*		*70 - 120*		*09/28/20 01:47*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**27**	**B**	9.7	3.7	mg/Kg	☼	10/01/20 16:23	10/02/20 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*106*		*40 - 133*	*10/01/20 16:23*	*10/02/20 12:00*	*1*
o-Terphenyl	*105*		*50 - 126*	*10/01/20 16:23*	*10/02/20 12:00*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.42**	**J**	1.9	0.38	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
4,4'-DDE	**0.33**	**J**	1.9	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
4,4'-DDT	<1.9		1.9	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Aldrin	<1.9		1.9	0.79	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
alpha-BHC	<1.9		1.9	0.49	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
beta-BHC	<1.9		1.9	0.59	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Chlordane (technical)	<7.7		7.7	3.7	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
cis-Chlordane	<1.9		1.9	0.97	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
delta-BHC	<1.9		1.9	0.60	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Dieldrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Endosulfan I	<1.9		1.9	0.84	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Endosulfan II	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Endosulfan sulfate	<1.9		1.9	0.35	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Endrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1

Client Sample ID: SG-4(0-5)-092120

Date Collected: 09/21/20 13:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-11

Matrix: Solid
Percent Solids: 85.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<1.9		1.9	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Endrin ketone	<1.9		1.9	0.43	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
gamma-BHC (Lindane)	<1.9		1.9	0.41	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Heptachlor	<1.9		1.9	0.80	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Heptachlor epoxide	<1.9		1.9	0.68	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Methoxychlor	<9.5		9.5	0.37	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
Toxaphene	<19		19	8.1	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1
trans-Chlordane	<1.9		1.9	0.50	ug/Kg	☼	09/30/20 06:38	10/01/20 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*33 - 148*	*09/30/20 06:38*	*10/01/20 04:54*	*1*
Tetrachloro-m-xylene	*87*		*30 - 121*	*09/30/20 06:38*	*10/01/20 04:54*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.8	ug/Kg	☼	09/30/20 06:38	09/30/20 21:34	1
PCB-1221	<19		19	8.4	ug/Kg	☼	09/30/20 06:38	09/30/20 21:34	1
PCB-1232	<19		19	8.3	ug/Kg	☼	09/30/20 06:38	09/30/20 21:34	1
PCB-1242	<19		19	6.3	ug/Kg	☼	09/30/20 06:38	09/30/20 21:34	1
PCB-1248	<19		19	7.5	ug/Kg	☼	09/30/20 06:38	09/30/20 21:34	1
PCB-1254	<19		19	4.1	ug/Kg	☼	09/30/20 06:38	09/30/20 21:34	1
PCB-1260	<19		19	9.4	ug/Kg	☼	09/30/20 06:38	09/30/20 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*37 - 121*	*09/30/20 06:38*	*09/30/20 21:34*	*1*
Tetrachloro-m-xylene	*93*		*49 - 129*	*09/30/20 06:38*	*09/30/20 21:34*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:51	09/29/20 09:20	1
Barium	**0.79**		0.50	0.050	mg/L		09/28/20 16:51	09/29/20 09:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 09:20	1
Cadmium	**0.0032**	**J**	0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 09:20	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:20	1
Cobalt	**0.041**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:20	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:20	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 09:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 09:20	1
Manganese	**16**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:20	1
Nickel	**0.051**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:20	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 09:20	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:20	1
Zinc	**0.025**	**J**	0.50	0.020	mg/L		09/28/20 16:51	09/29/20 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:28	1
Barium	**0.095**	**J**	0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:28	1
Chromium	**0.011**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:28	1

Client Sample ID: SG-4(0-5)-092120

Date Collected: 09/21/20 13:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-11

Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:28	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:28	1
Iron	**7.3**		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:28	1
Manganese	**0.10**		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:28	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:28	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:28	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:28	1
Zinc	**0.021**	**J**	0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.2**		1.1	0.22	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Arsenic	**12**		0.57	0.19	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Barium	**56**		0.57	0.065	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Beryllium	**0.55**		0.23	0.053	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Cadmium	**0.39**		0.11	0.020	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Calcium	**58000**	**B**	110	19	mg/Kg	☼	09/25/20 08:09	09/28/20 05:21	10
Chromium	**12**		0.57	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Cobalt	**12**		0.28	0.074	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Copper	**22**		0.57	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Iron	**22000**		11	5.9	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Lead	**17**		0.28	0.13	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Magnesium	**26000**		5.7	2.8	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Manganese	**770**		0.57	0.082	mg/Kg	☼	09/25/20 08:09	09/28/20 05:17	1
Nickel	**31**		0.57	0.17	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Potassium	**1800**		28	10	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Selenium	**0.35**	**J**	0.57	0.33	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Silver	<0.28		0.28	0.073	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Sodium	**490**		57	8.4	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Thallium	**0.57**		0.57	0.28	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Vanadium	**20**		0.28	0.067	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	1
Zinc	**52**		1.1	0.50	mg/Kg	☼	09/25/20 08:09	09/28/20 01:07	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		09/28/20 10:15	09/29/20 06:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**27**	**B**	17	5.7	ug/Kg	☼	09/25/20 14:00	09/28/20 07:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.35		0.35	0.17	mg/Kg	☼	09/30/20 10:54	09/30/20 14:24	1
pH	**7.7**		0.2	0.2	SU			09/25/20 22:46	1

Client Sample ID: SG-4(5-10)-092120

Date Collected: 09/21/20 13:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-12

Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.4		1.4	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
1,1,2-Trichloroethane	<1.4		1.4	0.62	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
1,1-Dichloroethane	<1.4		1.4	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
1,1-Dichloroethene	<1.4		1.4	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
1,2-Dichloropropane	<1.4		1.4	0.37	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
1,3-Dichloropropene, Total	<1.4		1.4	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Acetone	<14		14	6.3	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Benzene	<1.4		1.4	0.37	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Bromoform	<1.4		1.4	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Bromomethane	<3.6		3.6	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Carbon disulfide	<3.6		3.6	0.75	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Carbon tetrachloride	<1.4		1.4	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Chlorobenzene	<1.4		1.4	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Chloroethane	<3.6		3.6	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Chloroform	**0.52**	**J**	1.4	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Chloromethane	<3.6		3.6	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
cis-1,2-Dichloroethene	<1.4		1.4	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
cis-1,3-Dichloropropene	<1.4		1.4	0.44	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Dibromochloromethane	<1.4		1.4	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Ethylbenzene	<1.4		1.4	0.69	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Methyl tert-butyl ether	<1.4		1.4	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Styrene	<1.4		1.4	0.44	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Tetrachloroethene	<1.4		1.4	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Toluene	<1.4		1.4	0.36	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
trans-1,2-Dichloroethene	<1.4		1.4	0.64	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
trans-1,3-Dichloropropene	<1.4		1.4	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Trichloroethene	<1.4		1.4	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Vinyl chloride	<1.4		1.4	0.64	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1
Xylenes, Total	<2.9		2.9	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*	*09/22/20 16:40*	*09/24/20 18:11*	*1*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*09/22/20 16:40*	*09/24/20 18:11*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*09/22/20 16:40*	*09/24/20 18:11*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*09/22/20 16:40*	*09/24/20 18:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188167-1

Client Sample ID: SG-4(5-10)-092120
Date Collected: 09/21/20 13:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-12
Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2-Methylnaphthalene	<74		74	6.7	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2-Methylphenol	<180		180	59	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
4,6-Dinitro-2-methylphenol	<740		740	290	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Acenaphthene	**6.8**	**J**	36	6.6	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Anthracene	<36		36	6.1	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Benzo[a]anthracene	**5.3**	**J**	36	4.9	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Benzo[b]fluoranthene	<36		36	7.9	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Carbazole	<180		180	91	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Chrysene	**15**	**J**	36	10	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Fluoranthene	<36		36	6.8	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Fluorene	<36		36	5.1	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Hexachloroethane	<180		180	56	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1

Client Sample ID: SG-4(5-10)-092120

Date Collected: 09/21/20 13:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-12

Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.5	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Isophorone	<180		180	41	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Phenanthrene	**11**	**J**	36	5.1	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Phenol	<180		180	81	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1
Pyrene	**12**	**J**	36	7.3	ug/Kg	☼	09/30/20 16:03	10/01/20 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*31 - 143*	*09/30/20 16:03*	*10/01/20 15:22*	*1*
2-Fluorobiphenyl	*76*		*43 - 145*	*09/30/20 16:03*	*10/01/20 15:22*	*1*
2-Fluorophenol	*83*		*31 - 166*	*09/30/20 16:03*	*10/01/20 15:22*	*1*
Nitrobenzene-d5	*91*		*37 - 147*	*09/30/20 16:03*	*10/01/20 15:22*	*1*
Phenol-d5	*70*		*30 - 153*	*09/30/20 16:03*	*10/01/20 15:22*	*1*
Terphenyl-d14	*94*		*42 - 157*	*09/30/20 16:03*	*10/01/20 15:22*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.023		0.023	0.011	mg/Kg	☼		09/28/20 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*69*		*59 - 120*		*09/28/20 02:32*	*1*
a,a,a-Trifluorotoluene	*78*		*70 - 120*		*09/28/20 02:32*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**48**	**B**	9.5	3.6	mg/Kg	☼	10/01/20 16:23	10/02/20 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*131*		*40 - 133*	*10/01/20 16:23*	*10/02/20 12:35*	*1*
o-Terphenyl	*135*	*X*	*50 - 126*	*10/01/20 16:23*	*10/02/20 12:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**2.2**		1.9	0.37	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
4,4'-DDE	**4.5**		1.9	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
4,4'-DDT	<1.9		1.9	0.98	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Aldrin	<1.9		1.9	0.77	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
alpha-BHC	<1.9		1.9	0.47	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
beta-BHC	<1.9		1.9	0.58	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Chlordane (technical)	<7.4		7.4	3.6	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
cis-Chlordane	<1.9		1.9	0.94	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
delta-BHC	<1.9		1.9	0.58	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Dieldrin	<1.9		1.9	0.25	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Endosulfan I	<1.9		1.9	0.81	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Endosulfan II	<1.9		1.9	0.30	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Endosulfan sulfate	<1.9		1.9	0.34	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Endrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1

Client Sample ID: SG-4(5-10)-092120

Date Collected: 09/21/20 13:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-12

Matrix: Solid
Percent Solids: 87.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Endrin ketone	<1.9		1.9	0.42	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
gamma-BHC (Lindane)	<1.9		1.9	0.40	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Heptachlor	<1.9		1.9	0.78	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Heptachlor epoxide	<1.9		1.9	0.66	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Methoxychlor	<9.2		9.2	0.36	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
Toxaphene	<19		19	7.8	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1
trans-Chlordane	<1.9		1.9	0.49	ug/Kg	☼	09/30/20 06:38	10/01/20 05:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*33 - 148*	*09/30/20 06:38*	*10/01/20 05:15*	*1*
Tetrachloro-m-xylene	*89*		*30 - 121*	*09/30/20 06:38*	*10/01/20 05:15*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.6	ug/Kg	☼	09/30/20 06:38	09/30/20 21:49	1
PCB-1221	<19		19	8.2	ug/Kg	☼	09/30/20 06:38	09/30/20 21:49	1
PCB-1232	<19		19	8.1	ug/Kg	☼	09/30/20 06:38	09/30/20 21:49	1
PCB-1242	<19		19	6.1	ug/Kg	☼	09/30/20 06:38	09/30/20 21:49	1
PCB-1248	<19		19	7.3	ug/Kg	☼	09/30/20 06:38	09/30/20 21:49	1
PCB-1254	<19		19	4.0	ug/Kg	☼	09/30/20 06:38	09/30/20 21:49	1
PCB-1260	<19		19	9.1	ug/Kg	☼	09/30/20 06:38	09/30/20 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*37 - 121*	*09/30/20 06:38*	*09/30/20 21:49*	*1*
Tetrachloro-m-xylene	*91*		*49 - 129*	*09/30/20 06:38*	*09/30/20 21:49*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:51	09/29/20 09:24	1
Barium	**0.53**		0.50	0.050	mg/L		09/28/20 16:51	09/29/20 09:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 09:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 09:24	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:24	1
Cobalt	**0.030**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:24	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:24	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 09:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 09:24	1
Manganese	**5.1**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:24	1
Nickel	**0.035**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:24	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 09:24	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:24	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:51	09/29/20 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:32	1
Barium	**0.050**	**J**	0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:32	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:32	1

Client Sample ID: SG-4(5-10)-092120

Date Collected: 09/21/20 13:20
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-12

Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:32	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:32	1
Iron	**3.7**		0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:32	1
Manganese	**0.033**		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:32	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:32	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:32	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:32	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.83**	**J**	1.1	0.21	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Arsenic	**9.9**		0.54	0.19	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Barium	**59**		0.54	0.062	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Beryllium	**0.68**		0.22	0.051	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Cadmium	**0.28**		0.11	0.020	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Calcium	**53000**	**B**	110	18	mg/Kg	☼	09/25/20 08:09	09/28/20 05:29	10
Chromium	**16**		0.54	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Cobalt	**12**		0.27	0.071	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Copper	**31**		0.54	0.15	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Iron	**18000**		11	5.7	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Lead	**20**		0.27	0.13	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Magnesium	**24000**		5.4	2.7	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Manganese	**550**		0.54	0.079	mg/Kg	☼	09/25/20 08:09	09/28/20 05:25	1
Nickel	**30**		0.54	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Potassium	**2700**		27	9.6	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Sodium	**560**		54	8.1	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Thallium	**0.59**		0.54	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Vanadium	**24**		0.27	0.064	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1
Zinc	**59**		1.1	0.48	mg/Kg	☼	09/25/20 08:09	09/28/20 01:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/28/20 10:15	09/29/20 06:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 08:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**40**	**B**	18	6.1	ug/Kg	☼	09/25/20 14:00	09/28/20 07:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.22		0.22	0.11	mg/Kg	☼	09/30/20 10:54	09/30/20 14:22	1
pH	**8.1**		0.2	0.2	SU			09/25/20 22:48	1

Client Sample ID: SG-4(10-15)-092120

Date Collected: 09/21/20 13:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-13

Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.4		1.4	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
1,1,2-Trichloroethane	<1.4		1.4	0.61	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
1,1-Dichloroethane	<1.4		1.4	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
1,1-Dichloroethene	<1.4		1.4	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
1,2-Dichloropropane	<1.4		1.4	0.37	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
1,3-Dichloropropene, Total	<1.4		1.4	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Acetone	**6.3**	**J**	14	6.2	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Benzene	<1.4		1.4	0.37	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Bromoform	<1.4		1.4	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Bromomethane	<3.6		3.6	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Carbon disulfide	<3.6		3.6	0.75	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Carbon tetrachloride	<1.4		1.4	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Chlorobenzene	<1.4		1.4	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Chloroethane	<3.6		3.6	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Chloroform	<1.4		1.4	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Chloromethane	<3.6		3.6	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
cis-1,2-Dichloroethene	<1.4		1.4	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
cis-1,3-Dichloropropene	<1.4		1.4	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Dibromochloromethane	<1.4		1.4	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Ethylbenzene	<1.4		1.4	0.69	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Methyl tert-butyl ether	<1.4		1.4	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Styrene	<1.4		1.4	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Tetrachloroethene	<1.4		1.4	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Toluene	<1.4		1.4	0.36	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
trans-1,2-Dichloroethene	<1.4		1.4	0.63	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
trans-1,3-Dichloropropene	<1.4		1.4	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Trichloroethene	<1.4		1.4	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Vinyl chloride	<1.4		1.4	0.63	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1
Xylenes, Total	<2.9		2.9	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*	*09/22/20 16:40*	*09/24/20 18:37*	*1*
4-Bromofluorobenzene (Surr)	*113*		*75 - 131*	*09/22/20 16:40*	*09/24/20 18:37*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*09/22/20 16:40*	*09/24/20 18:37*	*1*
Toluene-d8 (Surr)	*102*		*75 - 124*	*09/22/20 16:40*	*09/24/20 18:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188167-1

Client Sample ID: SG-4(10-15)-092120
Date Collected: 09/21/20 13:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-13
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2-Methylnaphthalene	<75		75	6.9	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Carbazole	<190		190	93	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Chrysene	**29**	**J**	37	10	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1

Client Sample ID: SG-4(10-15)-092120
Date Collected: 09/21/20 13:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-13
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Isophorone	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
N-Nitrosodi-n-propylamine	<75		75	46	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Phenanthrene	**36**	**J**	37	5.2	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Phenol	<190		190	83	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1
Pyrene	**13**	**J**	37	7.4	ug/Kg	☼	09/30/20 16:03	10/01/20 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*31 - 143*	*09/30/20 16:03*	*10/01/20 15:49*	*1*
2-Fluorobiphenyl	*81*		*43 - 145*	*09/30/20 16:03*	*10/01/20 15:49*	*1*
2-Fluorophenol	*95*		*31 - 166*	*09/30/20 16:03*	*10/01/20 15:49*	*1*
Nitrobenzene-d5	*84*		*37 - 147*	*09/30/20 16:03*	*10/01/20 15:49*	*1*
Phenol-d5	*77*		*30 - 153*	*09/30/20 16:03*	*10/01/20 15:49*	*1*
Terphenyl-d14	*127*		*42 - 157*	*09/30/20 16:03*	*10/01/20 15:49*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.023		0.023	0.011	mg/Kg	☼		09/28/20 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*75*		*59 - 120*		*09/28/20 03:18*	*1*
a,a,a-Trifluorotoluene	*81*		*70 - 120*		*09/28/20 03:18*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**61**	**B**	9.4	3.6	mg/Kg	☼	10/01/20 16:23	10/02/20 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*104*		*40 - 133*	*10/01/20 16:23*	*10/02/20 13:10*	*1*
o-Terphenyl	*122*		*50 - 126*	*10/01/20 16:23*	*10/02/20 13:10*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<1.9		1.9	0.37	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
4,4'-DDE	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
4,4'-DDT	<1.9		1.9	0.98	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Aldrin	<1.9		1.9	0.77	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
alpha-BHC	<1.9		1.9	0.47	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
beta-BHC	<1.9		1.9	0.58	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Chlordane (technical)	<7.5		7.5	3.6	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
cis-Chlordane	<1.9		1.9	0.94	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
delta-BHC	<1.9		1.9	0.59	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Dieldrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Endosulfan I	<1.9		1.9	0.82	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Endosulfan II	<1.9		1.9	0.30	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Endosulfan sulfate	<1.9		1.9	0.34	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Endrin	<1.9		1.9	0.26	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1

Client Sample ID: SG-4(10-15)-092120
Date Collected: 09/21/20 13:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-13
Matrix: Solid
Percent Solids: 87.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<1.9		1.9	0.31	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Endrin ketone	<1.9		1.9	0.42	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
gamma-BHC (Lindane)	<1.9		1.9	0.40	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Heptachlor	<1.9		1.9	0.78	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Heptachlor epoxide	<1.9		1.9	0.66	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Methoxychlor	<9.3		9.3	0.36	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
Toxaphene	<19		19	7.9	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1
trans-Chlordane	<1.9		1.9	0.49	ug/Kg	☼	09/30/20 06:38	10/01/20 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*33 - 148*	*09/30/20 06:38*	*10/01/20 05:35*	*1*
Tetrachloro-m-xylene	*77*		*30 - 121*	*09/30/20 06:38*	*10/01/20 05:35*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.6	ug/Kg	☼	09/30/20 06:38	09/30/20 22:04	1
PCB-1221	<19		19	8.2	ug/Kg	☼	09/30/20 06:38	09/30/20 22:04	1
PCB-1232	<19		19	8.1	ug/Kg	☼	09/30/20 06:38	09/30/20 22:04	1
PCB-1242	<19		19	6.1	ug/Kg	☼	09/30/20 06:38	09/30/20 22:04	1
PCB-1248	<19		19	7.3	ug/Kg	☼	09/30/20 06:38	09/30/20 22:04	1
PCB-1254	<19		19	4.0	ug/Kg	☼	09/30/20 06:38	09/30/20 22:04	1
PCB-1260	<19		19	9.1	ug/Kg	☼	09/30/20 06:38	09/30/20 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*37 - 121*	*09/30/20 06:38*	*09/30/20 22:04*	*1*
Tetrachloro-m-xylene	*74*		*49 - 129*	*09/30/20 06:38*	*09/30/20 22:04*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:51	09/29/20 09:28	1
Barium	**0.64**		0.50	0.050	mg/L		09/28/20 16:51	09/29/20 09:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 09:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 09:28	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:28	1
Cobalt	**0.021**	**J**	0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:28	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:28	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 09:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 09:28	1
Manganese	**2.0**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:28	1
Nickel	**0.056**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:28	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 09:28	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:28	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:51	09/29/20 09:28	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:41	1
Barium	<0.50		0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:41	1

Client Sample ID: SG-4(10-15)-092120

Date Collected: 09/21/20 13:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-13

Matrix: Solid
Percent Solids: 87.9

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:41	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:41	1
Iron	**0.30**	**J**	0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:41	1
Manganese	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:41	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:41	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:41	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:41	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.70**	**J**	1.1	0.21	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Arsenic	**5.2**		0.53	0.18	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Barium	**45**		0.53	0.060	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Beryllium	**0.66**		0.21	0.049	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Cadmium	**0.16**		0.11	0.019	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Calcium	**83000**	**B**	110	18	mg/Kg	☼	09/25/20 08:09	09/28/20 05:37	10
Chromium	**15**		0.53	0.26	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Cobalt	**10**		0.26	0.069	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Copper	**20**		0.53	0.15	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Iron	**21000**		110	55	mg/Kg	☼	09/25/20 08:09	09/28/20 05:37	10
Lead	**11**		0.26	0.12	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Magnesium	**43000**		53	26	mg/Kg	☼	09/25/20 08:09	09/28/20 05:37	10
Manganese	**400**		0.53	0.077	mg/Kg	☼	09/25/20 08:09	09/28/20 05:33	1
Nickel	**25**		0.53	0.15	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Potassium	**3500**		26	9.3	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Silver	<0.26		0.26	0.068	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Sodium	**220**		53	7.8	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Thallium	**0.41**	**J**	0.53	0.26	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Vanadium	**20**		0.26	0.062	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1
Zinc	**39**		1.1	0.46	mg/Kg	☼	09/25/20 08:09	09/28/20 01:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/28/20 10:15	09/29/20 06:57	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		09/29/20 09:20	09/30/20 09:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J B**	18	5.9	ug/Kg	☼	09/25/20 14:00	09/28/20 08:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.23		0.23	0.11	mg/Kg	☼	09/30/20 10:54	09/30/20 14:20	1
pH	**8.1**		0.2	0.2	SU			09/25/20 22:50	1

Client Sample ID: SG-4(15-20)-092120

Date Collected: 09/21/20 13:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-14

Matrix: Solid
Percent Solids: 84.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5	F1	1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
1,1,2,2-Tetrachloroethane	<1.5	F1	1.5	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
1,1,2-Trichloroethane	<1.5	F1	1.5	0.66	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
1,1-Dichloroethane	<1.5	F1	1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
1,2-Dichloroethane	<3.9	F1	3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
1,2-Dichloropropane	<1.5	F1	1.5	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
2-Hexanone	<3.9	F1	3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Acetone	**8.5**	**J F2 F1**	15	6.7	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Benzene	<1.5	F1	1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Bromodichloromethane	<1.5	F1 F2	1.5	0.31	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Bromoform	<1.5	F1 F2	1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Carbon disulfide	<3.9	F1	3.9	0.80	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Carbon tetrachloride	<1.5	F1	1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Chlorobenzene	<1.5	F1	1.5	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Chloroethane	<3.9		3.9	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Chloroform	<1.5	F1	1.5	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
cis-1,2-Dichloroethene	<1.5	F1	1.5	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
cis-1,3-Dichloropropene	<1.5	F1	1.5	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Dibromochloromethane	<1.5	F1 F2	1.5	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Ethylbenzene	<1.5	F1	1.5	0.74	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Methyl Ethyl Ketone	<3.9	F1	3.9	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
methyl isobutyl ketone	<3.9	F1	3.9	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Methylene Chloride	<3.9	F1	3.9	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Styrene	<1.5	F1	1.5	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Tetrachloroethene	<1.5	F1	1.5	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Toluene	<1.5	F1	1.5	0.39	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
trans-1,2-Dichloroethene	<1.5	F1	1.5	0.69	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
trans-1,3-Dichloropropene	<1.5	F1	1.5	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Trichloroethene	<1.5	F1 F2	1.5	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1
Xylenes, Total	<3.1	F1	3.1	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*	*09/22/20 16:40*	*09/24/20 19:03*	*1*
4-Bromofluorobenzene (Surr)	*114*		*75 - 131*	*09/22/20 16:40*	*09/24/20 19:03*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*09/22/20 16:40*	*09/24/20 19:03*	*1*
Toluene-d8 (Surr)	*102*		*75 - 124*	*09/22/20 16:40*	*09/24/20 19:03*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1

Client Sample ID: SG-4(15-20)-092120
Date Collected: 09/21/20 13:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-14
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2,4-Dinitrophenol	<770	F1	770	670	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2-Methylnaphthalene	**22**	**J F1**	77	7.0	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
4-Nitrophenol	<770	F2	770	360	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Benzo[g,h,i]perylene	<38	F1	38	12	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Carbazole	<190		190	95	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Chrysene	**32**	**J**	38	10	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Hexachlorocyclopentadiene	<770	F1	770	220	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188167-1

Client Sample ID: SG-4(15-20)-092120
Date Collected: 09/21/20 13:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-14
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Isophorone	<190		190	43	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Pentachlorophenol	<770	F2	770	610	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Phenanthrene	**56**		38	5.3	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Phenol	<190		190	85	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1
Pyrene	**15**	**J**	38	7.6	ug/Kg	☼	09/30/20 16:03	10/01/20 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*31 - 143*	*09/30/20 16:03*	*10/01/20 16:16*	*1*
2-Fluorobiphenyl	*80*		*43 - 145*	*09/30/20 16:03*	*10/01/20 16:16*	*1*
2-Fluorophenol	*87*		*31 - 166*	*09/30/20 16:03*	*10/01/20 16:16*	*1*
Nitrobenzene-d5	*91*		*37 - 147*	*09/30/20 16:03*	*10/01/20 16:16*	*1*
Phenol-d5	*77*		*30 - 153*	*09/30/20 16:03*	*10/01/20 16:16*	*1*
Terphenyl-d14	*96*		*42 - 157*	*09/30/20 16:03*	*10/01/20 16:16*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C9)	<0.024		0.024	0.012	mg/Kg	☼		09/28/20 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*		*59 - 120*		*09/28/20 03:53*	*1*
a,a,a-Trifluorotoluene	*85*		*70 - 120*		*09/28/20 03:53*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**93**	**B F1**	9.8	3.8	mg/Kg	☼	10/01/20 16:23	10/02/20 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*111*		*40 - 133*	*10/01/20 16:23*	*10/02/20 13:46*	*1*
o-Terphenyl	*137*	*X*	*50 - 126*	*10/01/20 16:23*	*10/02/20 13:46*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<2.0		2.0	0.39	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
4,4'-DDE	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
4,4'-DDT	<2.0		2.0	1.0	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Aldrin	<2.0		2.0	0.81	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
alpha-BHC	<2.0		2.0	0.49	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
beta-BHC	<2.0		2.0	0.60	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Chlordane (technical)	<7.8		7.8	3.8	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
cis-Chlordane	<2.0		2.0	0.98	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
delta-BHC	<2.0		2.0	0.61	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Dieldrin	<2.0		2.0	0.27	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Endosulfan I	<2.0		2.0	0.85	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Endosulfan II	<2.0		2.0	0.32	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Endosulfan sulfate	<2.0		2.0	0.36	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Endrin	<2.0		2.0	0.27	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1

Client Sample ID: SG-4(15-20)-092120

Date Collected: 09/21/20 13:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-14

Matrix: Solid
Percent Solids: 84.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	<2.0		2.0	0.33	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Endrin ketone	<2.0		2.0	0.44	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
gamma-BHC (Lindane)	<2.0		2.0	0.42	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Heptachlor	<2.0		2.0	0.82	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Heptachlor epoxide	<2.0		2.0	0.69	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Methoxychlor	<9.7		9.7	0.38	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
Toxaphene	<19		19	8.2	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1
trans-Chlordane	<2.0		2.0	0.51	ug/Kg	☼	09/30/20 06:38	10/01/20 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*33 - 148*	*09/30/20 06:38*	*10/01/20 05:56*	*1*
Tetrachloro-m-xylene	*88*		*30 - 121*	*09/30/20 06:38*	*10/01/20 05:56*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.9	ug/Kg	☼	09/30/20 06:38	09/30/20 22:20	1
PCB-1221	<19		19	8.5	ug/Kg	☼	09/30/20 06:38	09/30/20 22:20	1
PCB-1232	<19		19	8.5	ug/Kg	☼	09/30/20 06:38	09/30/20 22:20	1
PCB-1242	<19		19	6.4	ug/Kg	☼	09/30/20 06:38	09/30/20 22:20	1
PCB-1248	<19		19	7.6	ug/Kg	☼	09/30/20 06:38	09/30/20 22:20	1
PCB-1254	<19		19	4.2	ug/Kg	☼	09/30/20 06:38	09/30/20 22:20	1
PCB-1260	<19		19	9.5	ug/Kg	☼	09/30/20 06:38	09/30/20 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*37 - 121*	*09/30/20 06:38*	*09/30/20 22:20*	*1*
Tetrachloro-m-xylene	*82*		*49 - 129*	*09/30/20 06:38*	*09/30/20 22:20*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/28/20 16:51	09/29/20 09:32	1
Barium	**0.70**	**F1 F2**	0.50	0.050	mg/L		09/28/20 16:51	09/29/20 09:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/28/20 16:51	09/29/20 09:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/28/20 16:51	09/29/20 09:32	1
Chromium	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:32	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:32	1
Copper	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:32	1
Iron	<0.40		0.40	0.20	mg/L		09/28/20 16:51	09/29/20 09:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/28/20 16:51	09/29/20 09:32	1
Manganese	**1.9**	**F1 F2**	0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:32	1
Nickel	**0.041**		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:32	1
Selenium	<0.050		0.050	0.020	mg/L		09/28/20 16:51	09/29/20 09:32	1
Silver	<0.025		0.025	0.010	mg/L		09/28/20 16:51	09/29/20 09:32	1
Zinc	<0.50		0.50	0.020	mg/L		09/28/20 16:51	09/29/20 09:32	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:02	09/29/20 22:44	1
Barium	**0.058**	**J**	0.50	0.050	mg/L		09/29/20 07:02	09/29/20 22:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:02	09/29/20 22:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 07:02	09/29/20 22:44	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:44	1

Client Sample ID: SG-4(15-20)-092120

Date Collected: 09/21/20 13:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188167-14

Matrix: Solid
Percent Solids: 84.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:44	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:44	1
Iron	**1.4**	**F1**	0.40	0.20	mg/L		09/29/20 07:02	09/29/20 22:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:02	09/29/20 22:44	1
Manganese	**0.012**	**J**	0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:44	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:44	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:02	09/29/20 22:44	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:02	09/29/20 22:44	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:02	09/29/20 22:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.68**	**J F1**	1.1	0.21	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Arsenic	**5.3**		0.54	0.19	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Barium	**52**		0.54	0.062	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Beryllium	**0.73**		0.22	0.051	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Cadmium	**0.16**		0.11	0.020	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Calcium	**78000**	**B**	110	18	mg/Kg	☼	09/25/20 08:09	09/28/20 05:54	10
Chromium	**17**		0.54	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Cobalt	**11**		0.27	0.071	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Copper	**23**	**F1**	0.54	0.15	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Iron	**16000**		11	5.7	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Lead	**11**		0.27	0.13	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Magnesium	**31000**		5.4	2.7	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Manganese	**370**		0.54	0.079	mg/Kg	☼	09/25/20 08:09	09/28/20 05:41	1
Nickel	**29**		0.54	0.16	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Potassium	**3800**		27	9.6	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Sodium	**230**		54	8.1	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Thallium	**0.46**	**J**	0.54	0.27	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Vanadium	**22**		0.27	0.064	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1
Zinc	**42**		1.1	0.48	mg/Kg	☼	09/25/20 08:09	09/28/20 01:19	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20	F1	0.20	0.20	ug/L		09/28/20 10:15	09/29/20 06:59	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 09:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**	**B**	18	5.9	ug/Kg	☼	09/25/20 14:00	09/28/20 08:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.30	F2	0.30	0.15	mg/Kg	☼	09/30/20 10:54	09/30/20 14:15	1
pH	**8.3**		0.2	0.2	SU			09/25/20 22:52	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
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 exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Chain of Custody Record 431324

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Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Andris Slesers	Site Contact:	Date:	COC No:
Company Name: Weston	Tel/Email:	Lab Contact:	Carrier:	2 of 5 COCs
Address: 300 Plaza Cir	Analysis Turnaround Time			Sampler:
City/State/Zip: Mundelein IL 60060	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name:	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.: 500-188167
P O #	☐ 1 day			

500-188167 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	PCBs	Pest	TCLP/SPLP metals	PH	TPH	TCL inorganics	Sample Specific Notes:
1 SG-7(15-20)-092120	9/21/20	1140	G	S	7			X	X	X	X	X	X	X	X	
2 SG-5(0-5)-092120		1215			7											
3 SG-5(5-10)-092120		1220			7											
4 SG-5(10-15)-092120		1230			7											
5 SG-5(15-20)-092120		1235			7											
6 SG-5(15-20)-092120D		1235			6											
7 SG-3(0-5)-092120		1250			6											
8 SG-3(5-10)-092120		1255			7											
9 SG-3(10-15)-092120		1300			7											
10 SG-3(15-20)-092120		1305			7											
11 SG-4(0-5)-092120		1315			7											
12 SG-4(5-10)-092120		1320			7											

Elmhurst

503325

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

3,3,2,6,3,9,4,6,1,8,4,6

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Taylor Ohrmen	Weston	9/22/20 935		TA	9/22/20 0800
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA 9/22/20	1350			
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TA-CHI	9/22/20 1350

Chain of Custody Record 491327

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Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Company Name:	Tel/Email:	Lab Contact:	Carrier:	4 of 5 COCs
Address:	**Analysis Turnaround Time**			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name:	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			500-188167

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOCs	SVOCs	PCBs	Pest	TCLP/SPLP metals	PH	TPH	TCL inorganics	Sample Specific Notes:
13	SG-4(10-15)-092120	9/21/20	1325	G	S	7			X	X	X	X	X	X	X	X	
14	SG-4(15-20)-092120	9/21/20	1330	G	S	19			X	X	X	X	X	X	X	X	

Elmhurst

503325

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

	Company	Date/Time		Company	Date/Time
Relinquished by: Taylor Thomson	Weston	9/22/20 0815	Received by:	TA	9/22/20 0806
Relinquished by:	TA Weston	1350	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA-CHE	Date/Time: 9/22/20 1350

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Commercial Building - 509 S. IL 83 (ISGS Site No. 3079V2-50)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.33267 (Decimal Degrees) Longitude: - 88.02857 (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 1,983

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33267 Longitude: - 88.02857

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 VC50-1 THROUGH VC50-5 WERE SAMPLED ALONG THE COMMERCIAL BUILDING. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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 REPORTS - JOB IDs: 500-176788-1 AND 500-188169-1. ALSO SEE FIGURE 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Vacant Commercial Building (ISGS Site No. 3079V-50)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VC50-1	VC50-2	VC50-3	VC50-3	VC50-3	VC50-3	VC50-4	VC50-4	VC50-4
Sample Date		1/22/2020	1/22/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020
Field Sample ID		VC50-1(0-5)-012220	VC50-2(0-5)-012220	VC50-3(0-5)-092120	VC50-3(5-10)-092120	VC50-3(10-15)-092120	VC50-3(10-15)-092120D	VC50-4(0-5)-092120	VC50-4(5-10)-092120	VC50-4(10-15)-092120
ISGS Site No.		3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50
Laboratory pH	<6.25, >9.0	8.8	7.6	7.7	8.3	8.4	8.3	7.8	8.1	8.3
VOCs		**No Exceedances**								
SVOCs (mg/kg)										
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	0.011 J	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	0.03 J	ND	ND	ND	ND	0.014 J	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.042	0.31	ND	ND	ND	ND	0.056	ND	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.089	0.56	ND	ND	ND	ND	0.061	ND	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.12	0.86	ND	ND	ND	ND	0.093	ND	ND
Benzo(g,h,i)perylene	---	0.054	0.34	ND	ND	ND	ND	0.038 J	ND	ND
Benzo(k)fluoranthene	9	0.031 J	0.31	ND	ND	ND	ND	0.023 J	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	0.064	0.45	ND	ND	ND	ND	0.071	ND	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	0.011 J	0.074	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.079	0.57	0.0082 J	ND	ND	ND	0.19	ND	ND
Fluorene	560	ND	ND	ND	ND	ND	ND	0.0083 J	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.046	0.28	ND	ND	ND	ND	0.028 J	ND	ND
Naphthalene	1.8	ND	0.0074 J	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.022 J	0.12	ND	ND	ND	ND	0.15	ND	ND
Pyrene	2300	0.07	0.54	0.0094 J	ND	ND	ND	0.19	ND	0.0088 J
Pesticides (mg/kg)										
4,4-DDD	3	---	---	---	---	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---	---	---	---	---
PCBs (mg/kg)										
Aroclor-1248	1	---	---	---	---	---	---	---	---	---

Summary Table of Vacant Commercial Building (ISGS Site No. 3079V-50)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VC50-1	VC50-2	VC50-3	VC50-3	VC50-3	VC50-3	VC50-4	VC50-4	VC50-4
Sample Date		1/22/2020	1/22/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020
Field Sample ID		VC50-1(0-5)-012220	VC50-2(0-5)-012220	VC50-3(0-5)-092120	VC50-3(5-10)-092120	VC50-3(10-15)-092120	VC50-3(10-15)-092120D	VC50-4(0-5)-092120	VC50-4(5-10)-092120	VC50-4(10-15)-092120
ISGS Site No.		3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50
Total Inorganics (mg/kg)										
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	0.45 J	0.24 J	0.73 J	0.77 J	0.65 J	0.74 J	0.83 J	0.97 J	0.49 J
Arsenic, Total	11.3 / 13.0	7.4	5.5	8.3	9	6.7	10	7.9	13	3.9
Barium, Total	1500	83	110	90	52	56	62	86	55	45
Beryllium, Total	22	1.1	0.98	1.1	0.77	0.7	0.64	1.1	0.83	0.5
Cadmium, Total	5.2	0.14 J	0.19 J	ND	0.081 J	0.11	0.054 J	ND	0.06 J	0.052 J
Calcium, Total	---	1800 B	3200 B	26000 B	74000 B	77000 B	86000 B	26000 B	72000 B	76000 B
Chromium, Total	21	25	23	24	17	16	13	24	17	12
Cobalt, Total	20	14	13	15	11	9.8	17	14	9.7	6.8
Copper, Total	2900	28 B	18	27	25	21	20	27	28	15
Cyanide, Total	0.2	---	---	---	---	---	---	---	---	---
Iron, Total	15000 / 15900	24000	19000	24000	20000	18000	25000	24000	25000	13000
Lead, Total	107	18	17	19	14	13	13	16	15	9.9
Magnesium, Total	325000	5300	3700	18000	30000	29000	46000	19000	28000	33000
Manganese, Total	630 / 636	400	320	460 B	440 B	480 B	670 B	420 B	420 B	390 B
Mercury, Total	0.89	0.032	0.027	0.026	0.025	0.024	0.021	0.03	0.024	0.016 J
Nickel, Total	100	50	26	35	29	29	26	36	30	17
Potassium, Total	---	2500	2900	3500	3000	2900	2400	3600	3000	2100
Selenium, Total	1.3	ND	0.35 J	0.38 J	ND	0.39 J	1.3	ND	ND	ND
Silver, Total	4.4	4.7	4	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	---	1300	380	260 B	200 B	210 B	210 B	240 B	200 B	230 B
Thallium, Total	2.6	ND	ND	0.65	0.52 J	0.41 J	0.51 J	0.47 J	0.51 J	0.45 J
Vanadium, Total	550	27	33	32	24	23	18	32	25	18
Zinc, Total	5100	94 B	74 B	69	66	62	50	66	72	43
TCLP Metals (mg/l)										
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.49 J	0.54	0.72	0.44 J	0.47 J	0.45 J	0.56	0.44 J	0.38 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	0.002 J	0.0032 J	0.0026 J	0.0028 J	ND	0.0025 J	0.0024 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	0.042	0.025	ND	ND	ND	0.013 J	ND	ND
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	0.014	0.0088	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	1	11	16	0.99	1.3	1.3	4.4	0.78	1.5
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	0.021 J	0.024 J	0.016 J	0.016 J	0.015 J	0.024 J	0.011 J	0.023 J
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	0.022 J	ND	ND	ND	0.05 J	0.032 J	0.058 J

Summary Table of Vacant Commercial Building (ISGS Site No. 3079V-50)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VC50-1	VC50-2	VC50-3	VC50-3	VC50-3	VC50-3	VC50-4	VC50-4	VC50-4
Sample Date		1/22/2020	1/22/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020
Field Sample ID		VC50-1(0-5)-012220	VC50-2(0-5)-012220	VC50-3(0-5)-092120	VC50-3(5-10)-092120	VC50-3(10-15)-092120	VC50-3(10-15)-092120D	VC50-4(0-5)-092120	VC50-4(5-10)-092120	VC50-4(10-15)-092120
ISGS Site No.		3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50	3079V-50
SPLP Metals (mg/l)										
Arsenic, SPLP	0.05	0.083	0.016 J	ND	ND	ND	ND	ND	ND	ND
Barium, SPLP	2	0.78	0.42 J	0.086 J	0.13 J	0.14 J	0.094 J	ND	0.061 J	0.11 J
Beryllium, SPLP	0.004	0.0091	0.0041	ND	ND	ND	ND	ND	ND	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.22	0.1	ND	0.023 J	0.031	0.021 J	ND	ND	0.019 J
Cobalt, SPLP	1	0.047	0.029	ND	ND	ND	ND	ND	ND	ND
Copper, SPLP	0.65	0.27	0.1	0.011 J	0.018 J	0.03	0.019 J	ND	ND	0.014 J
Iron, SPLP	5	230	93	4.5	14	25	16	1	3.8	11
Lead, SPLP	0.0075	0.1	0.11	ND	ND	0.01	ND	ND	ND	ND
Manganese, SPLP	0.15	0.92	0.56	0.076	0.074	0.12	0.077	ND	0.02 J	0.064
Mercury, SPLP	0.002	0.00046	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.23	0.087	ND	0.016 J	0.027	0.018 J	ND	ND	0.013 J
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.69	0.43 J	0.039 J	0.075 J	0.1 J	0.06 J	0.023 J	0.026 J	0.065 J

Summary Table of Vacant Commercial Building (ISGS Site No. 3079V-50)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VC50-5	VC50-5	VC50-5	VC50-5
Sample Date		9/21/2020	9/21/2020	9/21/2020	9/21/2020
Field Sample ID		VC50-5(0-5)-092120	VC50-5(0-5)-092120D	VC50-5(5-10)-092120	VC50-5(10-15)-092120
ISGS Site No.		3079V-50	3079V-50	3079V-50	3079V-50
Laboratory pH	<6.25, >9.0	8.1	8.1	8.2	8.7
VOCs		**No Exceedances**			
SVOCs (mg/kg)					
2,4,5-Trichlorophenol	26	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.012 J	0.0073 J	ND	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.01 J	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.016 J	ND	ND	ND
Benzo(g,h,i)perylene	---	ND	ND	ND	ND
Benzo(k)fluoranthene	9	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND
Chrysene	88	0.014 J	ND	ND	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	ND	ND
Dibenzofuran	---	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND
Fluoranthene	3100	0.026 J	0.015 J	ND	ND
Fluorene	560	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND
Phenanthrene	---	0.012 J	0.012 J	ND	ND
Pyrene	2300	0.027 J	0.02 J	ND	ND
Pesticides (mg/kg)					
4,4-DDD	3	---	---	---	---
4,4-DDE	2	---	---	---	---
Dieldrin	0.603	---	---	---	---
PCBs (mg/kg)					
Aroclor-1248	1	---	---	---	---

Summary Table of Vacant Commercial Building (ISGS Site No. 3079V-50)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VC50-5	VC50-5	VC50-5	VC50-5
Sample Date		9/21/2020	9/21/2020	9/21/2020	9/21/2020
Field Sample ID		VC50-5(0-5)-092120	VC50-5(0-5)-092120D	VC50-5(5-10)-092120	VC50-5(10-15)-092120
ISGS Site No.		3079V-50	3079V-50	3079V-50	3079V-50
Total Inorganics (mg/kg)					
Aluminum, Total	---	ND	ND	ND	ND
Antimony, Total	5	0.76 J	0.74 J	0.7 J	0.55 J
Arsenic, Total	11.3 / 13.0	7.5	7.5	8.3	4.1
Barium, Total	1500	77	66	77	53
Beryllium, Total	22	0.99	0.88	0.9	0.48
Cadmium, Total	5.2	ND	0.025 J	0.032 J	0.039 J
Calcium, Total	---	61000 B	77000 B	31000 B	88000 B
Chromium, Total	21	21	19	20	11
Cobalt, Total	20	12	12	11	6.7
Copper, Total	2900	25	25	24	16
Cyanide, Total	0.2	---	---	---	---
Iron, Total	15000 / 15900	22000	20000	22000	19000
Lead, Total	107	15	14	15	11
Magnesium, Total	325000	25000	31000	21000	47000
Manganese, Total	630 / 636	470 B	440 B	380 B	430 B
Mercury, Total	0.89	0.025	0.025	0.029	0.015 J
Nickel, Total	100	36	31	31	17
Potassium, Total	---	3400	3400	3200	1900
Selenium, Total	1.3	ND	ND	ND	ND
Silver, Total	4.4	ND	ND	ND	ND
Sodium, Total	---	170 B	180 B	210 B	270 B
Thallium, Total	2.6	0.69	0.53 J	0.63	0.4 J
Vanadium, Total	550	28	26	27	17
Zinc, Total	5100	66	61	75	39
TCLP Metals (mg/l)					
Arsenic, TCLP	0.05	ND	ND	ND	ND
Barium, TCLP	2	0.54	0.55	0.48 J	0.39 J
Beryllium, TCLP	0.004	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	0.0022 J	0.0023 J	0.0026 J
Chromium, TCLP	0.1	ND	ND	ND	ND
Cobalt, TCLP	1	0.011 J	ND	ND	0.017 J
Copper, TCLP	0.65	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND
Manganese, TCLP	0.15	5.2	2.8	1.8	2.4
Mercury, TCLP	0.002	ND	ND	ND	ND
Nickel, TCLP	0.1	0.02 J	0.021 J	0.027	0.029
Selenium, TCLP	0.05	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND
Zinc, TCLP	5	0.033 J	0.034 J	0.034 J	0.033 J

Summary Table of Vacant Commercial Building (ISGS Site No. 3079V-50)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VC50-5	VC50-5	VC50-5	VC50-5
Sample Date		9/21/2020	9/21/2020	9/21/2020	9/21/2020
Field Sample ID		VC50-5(0-5)-092120	VC50-5(0-5)-092120D	VC50-5(5-10)-092120	VC50-5(10-15)-092120
ISGS Site No.		3079V-50	3079V-50	3079V-50	3079V-50
SPLP Metals (mg/l)					
Arsenic, SPLP	0.05	ND	ND	ND	ND
Barium, SPLP	2	ND	0.061 J	0.11 J	0.074 J
Beryllium, SPLP	0.004	ND	ND	ND	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND
Chromium, SPLP	0.1	ND	ND	0.02 J	0.01 J
Cobalt, SPLP	1	ND	ND	ND	ND
Copper, SPLP	0.65	ND	ND	0.014 J	ND
Iron, SPLP	5	1.8	4.7	12	5.5
Lead, SPLP	0.0075	ND	ND	ND	ND
Manganese, SPLP	0.15	0.032	0.096	0.063	0.063
Mercury, SPLP	0.002	ND	ND	ND	ND
Nickel, SPLP	0.1	ND	ND	0.014 J	ND
Selenium, SPLP	0.05	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND
Zinc, SPLP	5	0.025 J	0.025 J	0.057 J	0.034 J

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

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ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-176788-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
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Jodie Bracken, Project Management Assistant II
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Designee for

Richard Wright, Senior Project Manager
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: VC50-2(0-5)-012220

Date Collected: 01/22/20 13:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-11

Matrix: Solid
Percent Solids: 78.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.4		2.4	0.79	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,1,2,2-Tetrachloroethane	<2.4		2.4	0.76	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,1,2-Trichloroethane	<2.4		2.4	1.0	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,1-Dichloroethane	<2.4		2.4	0.81	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,1-Dichloroethene	<2.4		2.4	0.82	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,2-Dichloroethane	<5.9		5.9	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,2-Dichloropropane	<2.4		2.4	0.61	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
1,3-Dichloropropene, Total	<2.4		2.4	0.83	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
2-Hexanone	<5.9		5.9	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Acetone	**46**		24	10	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Benzene	<2.4		2.4	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Bromodichloromethane	<2.4		2.4	0.48	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Bromoform	<2.4		2.4	0.69	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Bromomethane	<5.9		5.9	2.2	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Carbon disulfide	<5.9		5.9	1.2	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Carbon tetrachloride	<2.4		2.4	0.69	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Chlorobenzene	<2.4		2.4	0.87	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Chloroethane	<5.9		5.9	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Chloroform	<2.4		2.4	0.82	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Chloromethane	<5.9		5.9	2.4	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
cis-1,2-Dichloroethene	<2.4		2.4	0.66	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
cis-1,3-Dichloropropene	<2.4		2.4	0.71	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Dibromochloromethane	<2.4		2.4	0.77	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Ethylbenzene	<2.4		2.4	1.1	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Methyl Ethyl Ketone	**5.3**	**J**	5.9	2.6	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
methyl isobutyl ketone	<5.9		5.9	1.8	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Methyl tert-butyl ether	<2.4		2.4	0.70	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Methylene Chloride	<5.9		5.9	2.3	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Styrene	<2.4		2.4	0.72	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Tetrachloroethene	<2.4		2.4	0.81	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Toluene	<2.4		2.4	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
trans-1,2-Dichloroethene	<2.4		2.4	1.0	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
trans-1,3-Dichloropropene	<2.4		2.4	0.83	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Trichloroethene	<2.4		2.4	0.80	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Vinyl chloride	<2.4		2.4	1.0	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1
Xylenes, Total	<4.7		4.7	0.76	ug/Kg	☼	01/23/20 16:35	02/02/20 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/23/20 16:35*	*02/02/20 13:36*	*1*
4-Bromofluorobenzene (Surr)	*109*		*75 - 131*	*01/23/20 16:35*	*02/02/20 13:36*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*01/23/20 16:35*	*02/02/20 13:36*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*02/02/20 13:36*	*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	☼	01/29/20 16:12	01/31/20 03:22	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1

Client Sample ID: VC50-2(0-5)-012220
Date Collected: 01/22/20 13:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-11
Matrix: Solid
Percent Solids: 78.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	95	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Methylnaphthalene	<84		84	7.6	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Methylphenol	<210		210	67	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4,6-Dinitro-2-methylphenol	<840		840	330	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
4-Nitrophenol	<840	*	840	400	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Acenaphthene	<41		41	7.5	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Acenaphthylene	**11**	**J**	41	5.5	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Anthracene	**30**	**J**	41	6.9	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Benzo[a]anthracene	**310**		41	5.6	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Benzo[a]pyrene	**560**		41	8.0	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Benzo[b]fluoranthene	**860**		41	9.0	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Benzo[g,h,i]perylene	**340**		41	13	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Benzo[k]fluoranthene	**310**		41	12	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Carbazole	<210		210	100	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Chrysene	**450**		41	11	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Dibenz(a,h)anthracene	**74**		41	8.0	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Dibenzofuran	<210		210	49	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Fluoranthene	**570**		41	7.7	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Fluorene	<41		41	5.8	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Hexachlorobenzene	<84		84	9.6	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Hexachloroethane	<210		210	63	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1

Client Sample ID: VC50-2(0-5)-012220
Date Collected: 01/22/20 13:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-11
Matrix: Solid
Percent Solids: 78.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**280**		41	11	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Isophorone	<210		210	47	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Naphthalene	**7.4**	**J**	41	6.4	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Nitrobenzene	<41	*	41	10	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
N-Nitrosodi-n-propylamine	<84		84	51	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Phenanthrene	**120**		41	5.8	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Phenol	<210		210	92	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1
Pyrene	**540**		41	8.3	ug/Kg	☼	01/29/20 16:12	01/31/20 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*31 - 143*	*01/29/20 16:12*	*01/31/20 03:22*	*1*
2-Fluorobiphenyl	*94*		*43 - 145*	*01/29/20 16:12*	*01/31/20 03:22*	*1*
2-Fluorophenol	*118*		*31 - 166*	*01/29/20 16:12*	*01/31/20 03:22*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*01/29/20 16:12*	*01/31/20 03:22*	*1*
Phenol-d5	*95*		*30 - 153*	*01/29/20 16:12*	*01/31/20 03:22*	*1*
Terphenyl-d14	*138*		*42 - 157*	*01/29/20 16:12*	*01/31/20 03:22*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Barium	**0.54**		0.50	0.050	mg/L		01/31/20 15:51	02/03/20 15:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 15:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 15:30	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Cobalt	**0.042**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 15:30	1
Lead	**0.014**		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 15:30	1
Manganese	**11**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Nickel	**0.021**	**J**	0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 15:30	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:30	1
Zinc	**0.095**	**J B ***	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 15:30	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.016**	**J**	0.050	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		01/31/20 15:49	02/03/20 14:00	1
Beryllium	**0.0041**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 14:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 14:00	1
Chromium	**0.10**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Cobalt	**0.029**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Copper	**0.10**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Iron	**93**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 14:00	1
Lead	**0.11**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 14:00	1
Manganese	**0.56**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Nickel	**0.087**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 14:00	1

Client Sample ID: VC50-2(0-5)-012220
Date Collected: 01/22/20 13:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-11
Matrix: Solid
Percent Solids: 78.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:00	1
Zinc	**0.43**	**J**	0.50	0.020	mg/L		01/31/20 15:49	02/03/20 14:00	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	☼	01/28/20 06:52	01/30/20 05:12	1
Arsenic	**5.5**		0.59	0.20	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Barium	**110**		0.59	0.067	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Beryllium	**0.98**		0.24	0.055	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Cadmium	**0.19**	**B**	0.12	0.021	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Calcium	**3200**	**B**	12	2.0	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Chromium	**23**		0.59	0.29	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Cobalt	**13**		0.30	0.077	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Copper	**18**		0.59	0.17	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Iron	**19000**		12	6.1	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Lead	**17**		0.30	0.14	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Magnesium	**3700**		5.9	2.9	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Manganese	**320**		0.59	0.086	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Nickel	**26**		0.59	0.17	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Potassium	**2900**		30	10	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Selenium	**0.35**	**J**	0.59	0.35	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Silver	**4.0**		0.30	0.076	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Sodium	**380**		59	8.7	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Vanadium	**33**		0.30	0.070	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	1
Zinc	**74**	**B**	1.2	0.52	mg/Kg	☼	01/28/20 06:52	01/30/20 05:12	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		02/06/20 10:15	02/07/20 08:49	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		02/06/20 10:15	02/07/20 10:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**27**		20	6.6	ug/Kg	☼	02/05/20 14:00	02/06/20 08:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.6**		0.2	0.2	SU			01/29/20 16:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176788-1

Client Sample ID: VC50-1(0-5)-012220
Date Collected: 01/22/20 13:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-12
Matrix: Solid
Percent Solids: 78.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
1,1-Dichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
1,2-Dichloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
1,2-Dichloropropane	<1.7		1.7	0.44	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
1,3-Dichloropropene, Total	<1.7		1.7	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
2-Hexanone	<4.3		4.3	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Acetone	<17		17	7.5	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Bromoform	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Carbon disulfide	<4.3		4.3	0.89	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Chlorobenzene	<1.7		1.7	0.63	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Dibromochloromethane	<1.7		1.7	0.56	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Ethylbenzene	<1.7		1.7	0.82	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Methyl tert-butyl ether	<1.7		1.7	0.50	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Tetrachloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Toluene	<1.7		1.7	0.43	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
trans-1,2-Dichloroethene	<1.7		1.7	0.76	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
trans-1,3-Dichloropropene	<1.7		1.7	0.60	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Trichloroethene	<1.7		1.7	0.58	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Vinyl chloride	<1.7		1.7	0.76	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1
Xylenes, Total	<3.4		3.4	0.55	ug/Kg	☼	01/23/20 16:35	02/02/20 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*	*01/23/20 16:35*	*02/02/20 14:02*	*1*
4-Bromofluorobenzene (Surr)	*103*		*75 - 131*	*01/23/20 16:35*	*02/02/20 14:02*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*01/23/20 16:35*	*02/02/20 14:02*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/23/20 16:35*	*02/02/20 14:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1

Client Sample ID: VC50-1(0-5)-012220
Date Collected: 01/22/20 13:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-12
Matrix: Solid
Percent Solids: 78.3

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	☼	01/29/20 16:12	01/31/20 00:55	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2-Methylphenol	<210		210	66	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
4-Nitrophenol	<830	*	830	390	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Anthracene	<41		41	6.9	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Benzo[a]anthracene	**42**		41	5.6	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Benzo[a]pyrene	**89**		41	8.0	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Benzo[b]fluoranthene	**120**		41	8.9	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Benzo[g,h,i]perylene	**54**		41	13	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Benzo[k]fluoranthene	**31**	**J**	41	12	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Carbazole	<210		210	100	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Chrysene	**64**		41	11	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Dibenz(a,h)anthracene	**11**	**J**	41	8.0	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Dibenzofuran	<210		210	48	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Fluoranthene	**79**		41	7.7	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Fluorene	<41		41	5.8	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Hexachloroethane	<210		210	63	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1

Client Sample ID: VC50-1(0-5)-012220

Date Collected: 01/22/20 13:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-12

Matrix: Solid
Percent Solids: 78.3

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	**46**		41	11	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Isophorone	<210		210	46	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Naphthalene	<41		41	6.4	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Nitrobenzene	<41	*	41	10	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
N-Nitrosodi-n-propylamine	<83		83	51	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Phenanthrene	**22**	**J**	41	5.8	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Phenol	<210		210	92	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1
Pyrene	**70**		41	8.2	ug/Kg	☼	01/29/20 16:12	01/31/20 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*31 - 143*	*01/29/20 16:12*	*01/31/20 00:55*	*1*
2-Fluorobiphenyl	*82*		*43 - 145*	*01/29/20 16:12*	*01/31/20 00:55*	*1*
2-Fluorophenol	*107*		*31 - 166*	*01/29/20 16:12*	*01/31/20 00:55*	*1*
Nitrobenzene-d5	*67*		*37 - 147*	*01/29/20 16:12*	*01/31/20 00:55*	*1*
Phenol-d5	*93*		*30 - 153*	*01/29/20 16:12*	*01/31/20 00:55*	*1*
Terphenyl-d14	*117*		*42 - 157*	*01/29/20 16:12*	*01/31/20 00:55*	*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		01/31/20 15:51	02/03/20 15:35	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		01/31/20 15:51	02/03/20 15:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:51	02/03/20 15:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:51	02/03/20 15:35	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:35	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:35	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:35	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:51	02/03/20 15:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:51	02/03/20 15:35	1
Manganese	**1.0**		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:35	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:35	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:51	02/03/20 15:35	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:51	02/03/20 15:35	1
Zinc	**0.26**	**J B ***	0.50	0.020	mg/L		01/31/20 15:51	02/03/20 15:35	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		01/31/20 15:49	02/03/20 14:04	1
Barium	**0.78**		0.50	0.050	mg/L		01/31/20 15:49	02/03/20 14:04	1
Beryllium	**0.0091**		0.0040	0.0040	mg/L		01/31/20 15:49	02/03/20 14:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:49	02/03/20 14:04	1
Chromium	**0.22**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:04	1
Cobalt	**0.047**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:04	1
Copper	**0.27**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:04	1
Iron	**230**		0.40	0.20	mg/L		01/31/20 15:49	02/03/20 14:04	1
Lead	**0.10**		0.0075	0.0075	mg/L		01/31/20 15:49	02/03/20 14:04	1
Manganese	**0.92**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:04	1
Nickel	**0.23**		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:04	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:49	02/03/20 14:04	1

Client Sample ID: VC50-1(0-5)-012220
Date Collected: 01/22/20 13:45
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176788-12
Matrix: Solid
Percent Solids: 78.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:49	02/03/20 14:04	1
Zinc	**0.69**		0.50	0.020	mg/L		01/31/20 15:49	02/03/20 14:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.45**	**J**	1.2	0.24	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Arsenic	**7.4**		0.62	0.21	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Barium	**83**		0.62	0.071	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Beryllium	**1.1**		0.25	0.058	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Cadmium	**0.14**	**B**	0.12	0.022	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Calcium	**1800**	**B**	12	2.1	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Chromium	**25**		0.62	0.31	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Cobalt	**14**		0.31	0.082	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Copper	**28**	**B**	0.62	0.17	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Iron	**24000**		12	6.5	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Lead	**18**		0.31	0.14	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Magnesium	**5300**		6.2	3.1	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Manganese	**400**		0.62	0.090	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Nickel	**50**		0.62	0.18	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Potassium	**2500**		31	11	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Selenium	<0.62		0.62	0.37	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Silver	**4.7**		0.31	0.080	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Sodium	**1300**		62	9.2	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Vanadium	**27**		0.31	0.073	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1
Zinc	**94**	**B**	1.2	0.55	mg/Kg	☼	01/28/20 06:52	01/30/20 05:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/06/20 10:15	02/07/20 08:50	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.46**		0.33	0.33	ug/L		02/06/20 10:15	02/07/20 10:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**32**		21	6.9	ug/Kg	☼	02/05/20 14:00	02/06/20 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.8**		0.2	0.2	SU			01/29/20 16:43	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176788-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-176788 COC

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

(optional)
Bill To
Contact: Same
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-176788
Chain of Custody Number:
Page 3 of 5
Temperature °C of Cooler: 2.6, 5.7, 4.5, 5.1, 3.7

Client: Weston Solutions, Inc.
Client Project #: 02056.016.004
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: [illegible] + Tayer O.
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		AL45-8(0-4)-012220	1/22/21	1205	5	S	x	x	x	x	x					
2		AL45-8(4-8)-012220		1210	5											
3		~~AL45(~~ AL45-7(0-4)-012220		1150	5											
4		AL45-6(0-5)-012220		1130	5											
5		AL45-6(5-10)-012220		1135	5											
6		AL45-6(5-10)-012220D		1135	5											
7		AL45-6(10-13)-012220		1145	5											
8		AL45-5(0-5)-012220		1100	5											
9		AL45-5(5-10)-012220		1105	5											
10		AL45-5(10-15)-012220		1115	5											

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 ☒ Disposal by Lab ☐ Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	1/22/20	1730	Timothy H. Wells	Weston	1-22-20	1730
Timothy H. Wells	Weston	1-23-20	1137	[signature]	TA	1/23/20	1137
[signature]	TA	1/23/20	1323	[signature]	TA CH	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/7/2020

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: Andris Slesors
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

(optional)
Bill To
Contact: Same
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-176788
Chain of Custody Number:
Page 4 of 5
Temperature °C of Cooler:

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Lee + Taylor O.
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL metals	TCLP/SPLP metals	PAH					Comments
11		VC50-2(0-5)-012220	1/22/20	1350	5	S		x	x	x	x	x					
12		VC50-1(0-5)-012220		1345	5												
13		AL44-6(0-2)-012220		1330	5												
14		AL44-5(0-3)-012220		1315	5												
15		AL44-5(3-7)-012220		1320	5												
16		AL44-5(3-7)-012220D		1320	5												
17		AL44-4(0-3)-012220		1300	6												
18		AL44-4(3-7)-012220		1305	5												
19		AL45-9(0-5)-012220		1215	5												
		7-Coolers 1-22-20															

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
1	Lee	Weston	1/22/20	1730	Timothy Wells	Weston	1-22-20	1730
2	Timothy A. Wells	Weston	1-23-20	1137	[illegible]	TA	1/23/20	1137
3	[illegible]	TA	1/23/20	1323	[illegible] Scott TA-CHI	TA	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124-500-(1209)

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-188169-1
Client Project/Site: IDOT - Grayslake - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
10/4/2020 1:22:02 PM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: VC50-5(0-5)-092120
Date Collected: 09/21/20 14:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-1
Matrix: Solid
Percent Solids: 82.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
1,1-Dichloroethene	<1.7		1.7	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Acetone	**21**		17	7.3	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Carbon tetrachloride	<1.7		1.7	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Chloroethane	<4.2		4.2	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Methyl Ethyl Ketone	**3.7**	**J**	4.2	1.9	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Styrene	<1.7		1.7	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Trichloroethene	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1
Xylenes, Total	<3.3		3.3	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*	*09/22/20 16:40*	*09/24/20 18:18*	*1*
4-Bromofluorobenzene (Surr)	*110*		*75 - 131*	*09/22/20 16:40*	*09/24/20 18:18*	*1*
Dibromofluoromethane	*95*		*75 - 126*	*09/22/20 16:40*	*09/24/20 18:18*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*09/22/20 16:40*	*09/24/20 18:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-5(0-5)-092120
Date Collected: 09/21/20 14:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-1
Matrix: Solid
Percent Solids: 82.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2-Methylnaphthalene	<81		81	7.3	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2-Methylphenol	<200		200	64	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Anthracene	<40		40	6.7	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Benzo[a]anthracene	**12**	**J**	40	5.4	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Benzo[a]pyrene	**10**	**J**	40	7.7	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Benzo[b]fluoranthene	**16**	**J**	40	8.6	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Bis(2-ethylhexyl) phthalate	<200	*	200	73	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Butyl benzyl phthalate	<200	*	200	76	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Carbazole	<200		200	100	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Chrysene	**14**	**J**	40	11	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Dibenzofuran	<200		200	47	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Fluoranthene	**26**	**J**	40	7.4	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Fluorene	<40		40	5.6	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Hexachloroethane	<200		200	61	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1

Client Sample ID: VC50-5(0-5)-092120

Date Collected: 09/21/20 14:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-1

Matrix: Solid
Percent Solids: 82.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Isophorone	<200		200	45	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Naphthalene	<40		40	6.1	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Nitrobenzene	<40		40	10	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Phenanthrene	**12**	**J**	40	5.6	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Phenol	<200		200	89	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1
Pyrene	**27**	**J**	40	7.9	ug/Kg	☼	10/01/20 06:30	10/01/20 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*31 - 143*	*10/01/20 06:30*	*10/01/20 20:16*	*1*
2-Fluorobiphenyl	*62*		*43 - 145*	*10/01/20 06:30*	*10/01/20 20:16*	*1*
2-Fluorophenol	*67*		*31 - 166*	*10/01/20 06:30*	*10/01/20 20:16*	*1*
Nitrobenzene-d5	*68*		*37 - 147*	*10/01/20 06:30*	*10/01/20 20:16*	*1*
Phenol-d5	*74*		*30 - 153*	*10/01/20 06:30*	*10/01/20 20:16*	*1*
Terphenyl-d14	*124*		*42 - 157*	*10/01/20 06:30*	*10/01/20 20:16*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:41	09/30/20 08:55	1
Barium	**0.54**		0.50	0.050	mg/L		09/29/20 17:41	09/30/20 08:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:41	09/30/20 08:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:41	09/30/20 08:55	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:55	1
Cobalt	**0.011**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:55	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:55	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 17:41	09/30/20 08:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:41	09/30/20 08:55	1
Manganese	**5.2**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:55	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:55	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:41	09/30/20 08:55	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 08:55	1
Zinc	**0.033**	**J**	0.50	0.020	mg/L		09/29/20 17:41	09/30/20 08:55	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:43	09/30/20 08:11	1
Barium	<0.50		0.50	0.050	mg/L		09/29/20 17:43	09/30/20 08:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:43	09/30/20 08:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:43	09/30/20 08:11	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:11	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:11	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:11	1
Iron	**1.8**		0.40	0.20	mg/L		09/29/20 17:43	09/30/20 08:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:43	09/30/20 08:11	1
Manganese	**0.032**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:11	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:11	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:43	09/30/20 08:11	1

Client Sample ID: VC50-5(0-5)-092120

Date Collected: 09/21/20 14:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-1

Matrix: Solid
Percent Solids: 82.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:11	1
Zinc	**0.025**	**J**	0.50	0.020	mg/L		09/29/20 17:43	09/30/20 08:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.76**	**J**	1.2	0.23	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Arsenic	**7.5**		0.59	0.20	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Barium	**77**		0.59	0.067	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Beryllium	**0.99**		0.23	0.055	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Calcium	**61000**	**B**	120	20	mg/Kg	☼	09/25/20 18:33	09/28/20 09:24	10
Chromium	**21**		0.59	0.29	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Cobalt	**12**		0.29	0.077	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Copper	**25**		0.59	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Iron	**22000**		12	6.1	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Lead	**15**		0.29	0.14	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Magnesium	**25000**		5.9	2.9	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Manganese	**470**	**B**	0.59	0.085	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Nickel	**36**		0.59	0.17	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Potassium	**3400**		29	10	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Silver	<0.29		0.29	0.075	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Sodium	**170**	**B**	59	8.7	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Thallium	**0.69**		0.59	0.29	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Vanadium	**28**		0.29	0.069	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1
Zinc	**66**		1.2	0.51	mg/Kg	☼	09/25/20 18:33	09/28/20 08:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:09	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		18	5.9	ug/Kg	☼	09/27/20 13:25	09/28/20 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			09/25/20 23:06	1

Client Sample ID: VC50-5(0-5)-092120D

Date Collected: 09/21/20 14:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-2

Matrix: Solid
Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.4		2.4	0.82	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
1,1,2,2-Tetrachloroethane	<2.4		2.4	0.78	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
1,1,2-Trichloroethane	<2.4		2.4	1.0	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
1,1-Dichloroethane	<2.4		2.4	0.84	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
1,1-Dichloroethene	<2.4		2.4	0.84	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
1,2-Dichloroethane	<6.1		6.1	1.9	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
1,2-Dichloropropane	<2.4		2.4	0.63	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
1,3-Dichloropropene, Total	<2.4		2.4	0.86	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Acetone	**41**		24	11	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Benzene	<2.4		2.4	0.62	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Bromodichloromethane	<2.4		2.4	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Bromoform	<2.4		2.4	0.71	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Bromomethane	<6.1		6.1	2.3	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Carbon disulfide	<6.1		6.1	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Carbon tetrachloride	<2.4		2.4	0.71	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Chlorobenzene	<2.4		2.4	0.90	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Chloroethane	<6.1		6.1	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Chloroform	<2.4		2.4	0.85	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Chloromethane	<6.1		6.1	2.5	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
cis-1,2-Dichloroethene	<2.4		2.4	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
cis-1,3-Dichloropropene	<2.4		2.4	0.74	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Dibromochloromethane	<2.4		2.4	0.80	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Ethylbenzene	<2.4		2.4	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Methyl Ethyl Ketone	**4.8**	**J**	6.1	2.7	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
methyl isobutyl ketone	<6.1		6.1	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Methyl tert-butyl ether	<2.4		2.4	0.72	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Methylene Chloride	<6.1		6.1	2.4	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Styrene	<2.4		2.4	0.74	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Tetrachloroethene	<2.4		2.4	0.83	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Toluene	<2.4		2.4	0.62	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
trans-1,2-Dichloroethene	<2.4		2.4	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
trans-1,3-Dichloropropene	<2.4		2.4	0.86	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Trichloroethene	<2.4		2.4	0.82	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Vinyl chloride	<2.4		2.4	1.1	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1
Xylenes, Total	<4.9		4.9	0.78	ug/Kg	☼	09/22/20 16:40	09/24/20 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 134*	*09/22/20 16:40*	*09/24/20 18:43*	*1*
4-Bromofluorobenzene (Surr)	*111*		*75 - 131*	*09/22/20 16:40*	*09/24/20 18:43*	*1*
Dibromofluoromethane	*94*		*75 - 126*	*09/22/20 16:40*	*09/24/20 18:43*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*	*09/22/20 16:40*	*09/24/20 18:43*	*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	☼	10/01/20 06:30	10/01/20 20:41	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-5(0-5)-092120D
Date Collected: 09/21/20 14:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-2
Matrix: Solid
Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2-Methylphenol	<200		200	63	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Anthracene	<39		39	6.5	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Benzo[a]anthracene	**7.3**	**J**	39	5.2	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Bis(2-ethylhexyl) phthalate	<200	*	200	71	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Butyl benzyl phthalate	<200	*	200	74	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Carbazole	<200		200	97	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Chrysene	<39		39	11	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Fluoranthene	**15**	**J**	39	7.2	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Fluorene	<39		39	5.5	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Hexachloroethane	<200		200	59	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-5(0-5)-092120D
Date Collected: 09/21/20 14:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-2
Matrix: Solid
Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Isophorone	<200		200	44	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Naphthalene	<39		39	6.0	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Phenanthrene	**12**	**J**	39	5.4	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Phenol	<200		200	87	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1
Pyrene	**20**	**J**	39	7.7	ug/Kg	☼	10/01/20 06:30	10/01/20 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*31 - 143*	*10/01/20 06:30*	*10/01/20 20:41*	*1*
2-Fluorobiphenyl	*60*		*43 - 145*	*10/01/20 06:30*	*10/01/20 20:41*	*1*
2-Fluorophenol	*69*		*31 - 166*	*10/01/20 06:30*	*10/01/20 20:41*	*1*
Nitrobenzene-d5	*66*		*37 - 147*	*10/01/20 06:30*	*10/01/20 20:41*	*1*
Phenol-d5	*78*		*30 - 153*	*10/01/20 06:30*	*10/01/20 20:41*	*1*
Terphenyl-d14	*144*		*42 - 157*	*10/01/20 06:30*	*10/01/20 20:41*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:41	09/30/20 09:02	1
Barium	**0.55**		0.50	0.050	mg/L		09/29/20 17:41	09/30/20 09:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:41	09/30/20 09:02	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/29/20 17:41	09/30/20 09:02	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:02	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:02	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:02	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 17:41	09/30/20 09:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:41	09/30/20 09:02	1
Manganese	**2.8**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:02	1
Nickel	**0.021**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:02	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:41	09/30/20 09:02	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:02	1
Zinc	**0.034**	**J**	0.50	0.020	mg/L		09/29/20 17:41	09/30/20 09:02	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:43	09/30/20 08:15	1
Barium	**0.061**	**J**	0.50	0.050	mg/L		09/29/20 17:43	09/30/20 08:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:43	09/30/20 08:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:43	09/30/20 08:15	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:15	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:15	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:15	1
Iron	**4.7**		0.40	0.20	mg/L		09/29/20 17:43	09/30/20 08:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:43	09/30/20 08:15	1
Manganese	**0.096**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:15	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:15	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:43	09/30/20 08:15	1

Client Sample ID: VC50-5(0-5)-092120D

Date Collected: 09/21/20 14:05
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-2

Matrix: Solid
Percent Solids: 83.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:15	1
Zinc	**0.025**	**J**	0.50	0.020	mg/L		09/29/20 17:43	09/30/20 08:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.74**	**J**	1.2	0.23	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Arsenic	**7.5**		0.58	0.20	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Barium	**66**		0.58	0.066	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Beryllium	**0.88**		0.23	0.054	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Cadmium	**0.025**	**J**	0.12	0.021	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Calcium	**77000**	**B**	120	20	mg/Kg	☼	09/25/20 18:33	09/28/20 09:27	10
Chromium	**19**		0.58	0.29	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Cobalt	**12**		0.29	0.076	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Copper	**25**		0.58	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Iron	**20000**		12	6.0	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Lead	**14**		0.29	0.13	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Magnesium	**31000**		5.8	2.9	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Manganese	**440**	**B**	0.58	0.084	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Nickel	**31**		0.58	0.17	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Potassium	**3400**		29	10	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Silver	<0.29		0.29	0.075	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Sodium	**180**	**B**	58	8.6	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Thallium	**0.53**	**J**	0.58	0.29	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Vanadium	**26**		0.29	0.069	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1
Zinc	**61**		1.2	0.51	mg/Kg	☼	09/25/20 18:33	09/28/20 08:49	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:11	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		18	6.0	ug/Kg	☼	09/27/20 13:25	09/28/20 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			09/25/20 23:09	1

Client Sample ID: VC50-5(5-10)-092120
Date Collected: 09/21/20 14:10
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-3
Matrix: Solid
Percent Solids: 80.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0	0.67	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.63	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
1,1,2-Trichloroethane	<2.0		2.0	0.85	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
1,1-Dichloroethane	<2.0		2.0	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
1,1-Dichloroethene	<2.0		2.0	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
1,2-Dichloroethane	<5.0		5.0	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
1,2-Dichloropropane	<2.0		2.0	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
1,3-Dichloropropene, Total	<2.0		2.0	0.70	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
2-Hexanone	<5.0		5.0	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Acetone	**32**		20	8.7	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Benzene	<2.0		2.0	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Bromodichloromethane	<2.0		2.0	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Bromoform	<2.0		2.0	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Bromomethane	<5.0		5.0	1.9	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Carbon disulfide	<5.0		5.0	1.0	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Carbon tetrachloride	<2.0		2.0	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Chlorobenzene	<2.0		2.0	0.73	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Chloroethane	<5.0		5.0	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Chloroform	<2.0		2.0	0.69	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Chloromethane	<5.0		5.0	2.0	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
cis-1,2-Dichloroethene	<2.0		2.0	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
cis-1,3-Dichloropropene	<2.0		2.0	0.60	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Dibromochloromethane	<2.0		2.0	0.65	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Ethylbenzene	<2.0		2.0	0.95	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Methyl Ethyl Ketone	**7.3**		5.0	2.2	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
methyl isobutyl ketone	<5.0		5.0	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Methyl tert-butyl ether	<2.0		2.0	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Methylene Chloride	<5.0		5.0	2.0	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Styrene	<2.0		2.0	0.60	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Tetrachloroethene	<2.0		2.0	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Toluene	<2.0		2.0	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
trans-1,2-Dichloroethene	<2.0		2.0	0.88	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
trans-1,3-Dichloropropene	<2.0		2.0	0.70	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Trichloroethene	<2.0		2.0	0.67	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Vinyl chloride	<2.0		2.0	0.88	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1
Xylenes, Total	<4.0		4.0	0.64	ug/Kg	☼	09/22/20 16:40	09/24/20 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*	*09/22/20 16:40*	*09/24/20 19:09*	*1*
4-Bromofluorobenzene (Surr)	*107*		*75 - 131*	*09/22/20 16:40*	*09/24/20 19:09*	*1*
Dibromofluoromethane	*95*		*75 - 126*	*09/22/20 16:40*	*09/24/20 19:09*	*1*
Toluene-d8 (Surr)	*91*		*75 - 124*	*09/22/20 16:40*	*09/24/20 19:09*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-5(5-10)-092120
Date Collected: 09/21/20 14:10
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-3
Matrix: Solid
Percent Solids: 80.3

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	☼	10/01/20 06:30	10/01/20 21:06	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2-Methylphenol	<210		210	66	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Anthracene	<41		41	6.9	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Benzo[a]anthracene	<41		41	5.5	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Benzo[a]pyrene	<41		41	8.0	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Benzo[b]fluoranthene	<41		41	8.9	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Bis(2-ethylhexyl) phthalate	<210	*	210	75	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Butyl benzyl phthalate	<210	*	210	78	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Carbazole	<210		210	100	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Chrysene	<41		41	11	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Dibenzofuran	<210		210	48	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Fluoranthene	<41		41	7.6	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Fluorene	<41		41	5.8	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Hexachloroethane	<210		210	63	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-5(5-10)-092120

Date Collected: 09/21/20 14:10
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-3

Matrix: Solid
Percent Solids: 80.3

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	<41		41	11	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Isophorone	<210		210	46	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Naphthalene	<41		41	6.3	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Nitrobenzene	<41		41	10	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
N-Nitrosodi-n-propylamine	<83		83	50	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Phenanthrene	<41		41	5.7	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Phenol	<210		210	92	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1
Pyrene	<41		41	8.2	ug/Kg	☼	10/01/20 06:30	10/01/20 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*31 - 143*	*10/01/20 06:30*	*10/01/20 21:06*	*1*
2-Fluorobiphenyl	*71*		*43 - 145*	*10/01/20 06:30*	*10/01/20 21:06*	*1*
2-Fluorophenol	*83*		*31 - 166*	*10/01/20 06:30*	*10/01/20 21:06*	*1*
Nitrobenzene-d5	*80*		*37 - 147*	*10/01/20 06:30*	*10/01/20 21:06*	*1*
Phenol-d5	*91*		*30 - 153*	*10/01/20 06:30*	*10/01/20 21:06*	*1*
Terphenyl-d14	*165*	*X*	*42 - 157*	*10/01/20 06:30*	*10/01/20 21:06*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:41	09/30/20 09:05	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		09/29/20 17:41	09/30/20 09:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:41	09/30/20 09:05	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		09/29/20 17:41	09/30/20 09:05	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:05	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:05	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:05	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 17:41	09/30/20 09:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:41	09/30/20 09:05	1
Manganese	**1.8**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:05	1
Nickel	**0.027**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:05	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:41	09/30/20 09:05	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:05	1
Zinc	**0.034**	**J**	0.50	0.020	mg/L		09/29/20 17:41	09/30/20 09:05	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:43	09/30/20 08:19	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		09/29/20 17:43	09/30/20 08:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:43	09/30/20 08:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:43	09/30/20 08:19	1
Chromium	**0.020**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:19	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:19	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:19	1
Iron	**12**		0.40	0.20	mg/L		09/29/20 17:43	09/30/20 08:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:43	09/30/20 08:19	1
Manganese	**0.063**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:19	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:19	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:43	09/30/20 08:19	1

Client Sample ID: VC50-5(5-10)-092120

Date Collected: 09/21/20 14:10
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-3

Matrix: Solid
Percent Solids: 80.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:19	1
Zinc	**0.057**	**J**	0.50	0.020	mg/L		09/29/20 17:43	09/30/20 08:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.70**	**J**	1.2	0.24	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Arsenic	**8.3**		0.61	0.21	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Barium	**77**		0.61	0.070	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Beryllium	**0.90**		0.25	0.057	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Cadmium	**0.032**	**J**	0.12	0.022	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Calcium	**31000**	**B**	12	2.1	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Chromium	**20**		0.61	0.30	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Cobalt	**11**		0.31	0.080	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Copper	**24**		0.61	0.17	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Iron	**22000**		12	6.4	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Lead	**15**		0.31	0.14	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Magnesium	**21000**		6.1	3.0	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Manganese	**380**	**B**	0.61	0.089	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Nickel	**31**		0.61	0.18	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Potassium	**3200**		31	11	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Selenium	<0.61		0.61	0.36	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Silver	<0.31		0.31	0.079	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Sodium	**210**	**B**	61	9.1	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Thallium	**0.63**		0.61	0.31	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Vanadium	**27**		0.31	0.072	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1
Zinc	**75**		1.2	0.54	mg/Kg	☼	09/25/20 18:33	09/28/20 08:52	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:13	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		20	6.5	ug/Kg	☼	09/27/20 13:25	09/28/20 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			09/25/20 23:11	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-5(10-15)-092120
Date Collected: 09/21/20 14:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-4
Matrix: Solid
Percent Solids: 84.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
1,2-Dichloroethane	<4.0		4.0	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Acetone	<16		16	7.0	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Ethylbenzene	<1.6		1.6	0.77	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 134*	*09/22/20 16:40*	*09/24/20 19:35*	*1*
4-Bromofluorobenzene (Surr)	*109*		*75 - 131*	*09/22/20 16:40*	*09/24/20 19:35*	*1*
Dibromofluoromethane	*92*		*75 - 126*	*09/22/20 16:40*	*09/24/20 19:35*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*	*09/22/20 16:40*	*09/24/20 19:35*	*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	☼	10/01/20 06:30	10/01/20 21:32	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-5(10-15)-092120
Date Collected: 09/21/20 14:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-4
Matrix: Solid
Percent Solids: 84.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Bis(2-ethylhexyl) phthalate	<190	*	190	70	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Butyl benzyl phthalate	<190	*	190	73	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Carbazole	<190		190	95	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Chrysene	<38		38	10	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1

Client Sample ID: VC50-5(10-15)-092120
Date Collected: 09/21/20 14:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-4
Matrix: Solid
Percent Solids: 84.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Isophorone	<190		190	43	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Phenol	<190		190	85	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1
Pyrene	<38		38	7.6	ug/Kg	☼	10/01/20 06:30	10/01/20 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*31 - 143*	*10/01/20 06:30*	*10/01/20 21:32*	*1*
2-Fluorobiphenyl	*74*		*43 - 145*	*10/01/20 06:30*	*10/01/20 21:32*	*1*
2-Fluorophenol	*81*		*31 - 166*	*10/01/20 06:30*	*10/01/20 21:32*	*1*
Nitrobenzene-d5	*85*		*37 - 147*	*10/01/20 06:30*	*10/01/20 21:32*	*1*
Phenol-d5	*87*		*30 - 153*	*10/01/20 06:30*	*10/01/20 21:32*	*1*
Terphenyl-d14	*163*	*X*	*42 - 157*	*10/01/20 06:30*	*10/01/20 21:32*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:41	09/30/20 09:18	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		09/29/20 17:41	09/30/20 09:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:41	09/30/20 09:18	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		09/29/20 17:41	09/30/20 09:18	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:18	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:18	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:18	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 17:41	09/30/20 09:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:41	09/30/20 09:18	1
Manganese	**2.4**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:18	1
Nickel	**0.029**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:18	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:41	09/30/20 09:18	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:18	1
Zinc	**0.033**	**J**	0.50	0.020	mg/L		09/29/20 17:41	09/30/20 09:18	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:43	09/30/20 08:23	1
Barium	**0.074**	**J**	0.50	0.050	mg/L		09/29/20 17:43	09/30/20 08:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:43	09/30/20 08:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:43	09/30/20 08:23	1
Chromium	**0.010**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:23	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:23	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:23	1
Iron	**5.5**		0.40	0.20	mg/L		09/29/20 17:43	09/30/20 08:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:43	09/30/20 08:23	1
Manganese	**0.063**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:23	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:23	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:43	09/30/20 08:23	1

Client Sample ID: VC50-5(10-15)-092120

Date Collected: 09/21/20 14:15
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-4

Matrix: Solid
Percent Solids: 84.9

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:23	1
Zinc	**0.034**	**J**	0.50	0.020	mg/L		09/29/20 17:43	09/30/20 08:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.55**	**J**	1.2	0.22	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Arsenic	**4.1**		0.58	0.20	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Barium	**53**		0.58	0.066	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Beryllium	**0.48**		0.23	0.054	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Cadmium	**0.039**	**J**	0.12	0.021	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Calcium	**88000**	**B**	120	20	mg/Kg	☼	09/25/20 18:33	09/28/20 10:18	10
Chromium	**11**		0.58	0.29	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Cobalt	**6.7**		0.29	0.076	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Copper	**16**		0.58	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Iron	**19000**		120	60	mg/Kg	☼	09/25/20 18:33	09/28/20 10:18	10
Lead	**11**		0.29	0.13	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Magnesium	**47000**		58	29	mg/Kg	☼	09/25/20 18:33	09/28/20 10:18	10
Manganese	**430**	**B**	0.58	0.084	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Nickel	**17**		0.58	0.17	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Potassium	**1900**		29	10	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Silver	<0.29		0.29	0.075	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Sodium	**270**	**B**	58	8.6	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Thallium	**0.40**	**J**	0.58	0.29	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Vanadium	**17**		0.29	0.068	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1
Zinc	**39**		1.2	0.51	mg/Kg	☼	09/25/20 18:33	09/28/20 09:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:15	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15**	**J**	19	6.3	ug/Kg	☼	09/27/20 13:25	09/28/20 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**		0.2	0.2	SU			09/25/20 23:13	1

Client Sample ID: VC50-4(0-5)-092120

Date Collected: 09/21/20 14:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-5

Matrix: Solid
Percent Solids: 81.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Acetone	**7.2**	**J**	16	7.1	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Carbon disulfide	<4.1		4.1	0.84	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1
Xylenes, Total	<3.2		3.2	0.52	ug/Kg	☼	09/22/20 16:40	09/25/20 08:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*	*09/22/20 16:40*	*09/25/20 08:48*	*1*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*09/22/20 16:40*	*09/25/20 08:48*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*09/22/20 16:40*	*09/25/20 08:48*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*09/22/20 16:40*	*09/25/20 08:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1

Client Sample ID: VC50-4(0-5)-092120

Date Collected: 09/21/20 14:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-5

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	91	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2-Methylphenol	<200		200	64	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Anthracene	**14**	**J**	40	6.7	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Benzo[a]anthracene	**56**		40	5.4	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Benzo[a]pyrene	**61**		40	7.8	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Benzo[b]fluoranthene	**93**		40	8.7	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Benzo[g,h,i]perylene	**38**	**J**	40	13	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Benzo[k]fluoranthene	**23**	**J**	40	12	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Bis(2-ethylhexyl) phthalate	<200	*	200	73	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Butyl benzyl phthalate	<200	*	200	76	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Carbazole	<200		200	100	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Chrysene	**71**		40	11	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Dibenzofuran	<200		200	47	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Fluoranthene	**190**		40	7.4	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Fluorene	**8.3**	**J**	40	5.6	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Hexachloroethane	<200		200	61	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-4(0-5)-092120
Date Collected: 09/21/20 14:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-5
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	**28**	**J**	40	10	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Isophorone	<200		200	45	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Naphthalene	<40		40	6.2	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Nitrobenzene	<40		40	10	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Phenanthrene	**150**		40	5.6	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Phenol	<200		200	89	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1
Pyrene	**190**		40	8.0	ug/Kg	☼	10/01/20 06:30	10/01/20 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*31 - 143*	*10/01/20 06:30*	*10/01/20 21:58*	*1*
2-Fluorobiphenyl	*66*		*43 - 145*	*10/01/20 06:30*	*10/01/20 21:58*	*1*
2-Fluorophenol	*75*		*31 - 166*	*10/01/20 06:30*	*10/01/20 21:58*	*1*
Nitrobenzene-d5	*71*		*37 - 147*	*10/01/20 06:30*	*10/01/20 21:58*	*1*
Phenol-d5	*79*		*30 - 153*	*10/01/20 06:30*	*10/01/20 21:58*	*1*
Terphenyl-d14	*143*		*42 - 157*	*10/01/20 06:30*	*10/01/20 21:58*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:41	09/30/20 09:22	1
Barium	**0.56**		0.50	0.050	mg/L		09/29/20 17:41	09/30/20 09:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:41	09/30/20 09:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:41	09/30/20 09:22	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:22	1
Cobalt	**0.013**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:22	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:22	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 17:41	09/30/20 09:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:41	09/30/20 09:22	1
Manganese	**4.4**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:22	1
Nickel	**0.024**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:22	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:41	09/30/20 09:22	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:22	1
Zinc	**0.050**	**J**	0.50	0.020	mg/L		09/29/20 17:41	09/30/20 09:22	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:43	09/30/20 08:27	1
Barium	<0.50		0.50	0.050	mg/L		09/29/20 17:43	09/30/20 08:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:43	09/30/20 08:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:43	09/30/20 08:27	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:27	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:27	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:27	1
Iron	**1.0**		0.40	0.20	mg/L		09/29/20 17:43	09/30/20 08:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:43	09/30/20 08:27	1
Manganese	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:27	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:27	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:43	09/30/20 08:27	1

Client Sample ID: VC50-4(0-5)-092120

Date Collected: 09/21/20 14:25
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-5

Matrix: Solid
Percent Solids: 81.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:27	1
Zinc	**0.023**	**J**	0.50	0.020	mg/L		09/29/20 17:43	09/30/20 08:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.83**	**J**	1.2	0.23	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Arsenic	**7.9**		0.60	0.21	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Barium	**86**		0.60	0.068	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Beryllium	**1.1**		0.24	0.056	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Cadmium	<0.12		0.12	0.022	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Calcium	**26000**	**B**	12	2.0	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Chromium	**24**		0.60	0.30	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Cobalt	**14**		0.30	0.079	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Copper	**27**		0.60	0.17	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Iron	**24000**		12	6.2	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Lead	**16**		0.30	0.14	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Magnesium	**19000**		6.0	3.0	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Manganese	**420**	**B**	0.60	0.087	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Nickel	**36**		0.60	0.17	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Potassium	**3600**		30	11	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Silver	<0.30		0.30	0.077	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Sodium	**240**	**B**	60	8.9	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Thallium	**0.47**	**J**	0.60	0.30	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Vanadium	**32**		0.30	0.071	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1
Zinc	**66**		1.2	0.53	mg/Kg	☼	09/25/20 18:33	09/28/20 09:04	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:17	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		20	6.7	ug/Kg	☼	09/27/20 13:25	09/28/20 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.8**		0.2	0.2	SU			09/25/20 23:15	1

Client Sample ID: VC50-4(5-10)-092120

Date Collected: 09/21/20 14:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-6

Matrix: Solid
Percent Solids: 82.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Acetone	**7.5**	**J**	17	7.2	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Bromoform	<1.7		1.7	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Bromomethane	<4.1		4.1	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Carbon disulfide	<4.1		4.1	0.86	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Chloroform	<1.7		1.7	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Chloromethane	<4.1		4.1	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
cis-1,2-Dichloroethene	<1.7		1.7	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Ethylbenzene	<1.7		1.7	0.79	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Tetrachloroethene	<1.7		1.7	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
trans-1,2-Dichloroethene	<1.7		1.7	0.73	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Vinyl chloride	<1.7		1.7	0.73	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*	*09/22/20 16:40*	*09/24/20 20:26*	*1*
4-Bromofluorobenzene (Surr)	*108*		*75 - 131*	*09/22/20 16:40*	*09/24/20 20:26*	*1*
Dibromofluoromethane	*95*		*75 - 126*	*09/22/20 16:40*	*09/24/20 20:26*	*1*
Toluene-d8 (Surr)	*91*		*75 - 124*	*09/22/20 16:40*	*09/24/20 20:26*	*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	☼	10/01/20 06:30	10/01/20 22:23	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1

Client Sample ID: VC50-4(5-10)-092120
Date Collected: 09/21/20 14:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-6
Matrix: Solid
Percent Solids: 82.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2-Methylphenol	<200		200	63	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Anthracene	<39		39	6.5	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Bis(2-ethylhexyl) phthalate	<200	*	200	71	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Butyl benzyl phthalate	<200	*	200	74	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Carbazole	<200		200	98	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Chrysene	<39		39	11	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Dibenzofuran	<200		200	46	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Fluorene	<39		39	5.5	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Hexachloroethane	<200		200	59	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-4(5-10)-092120

Date Collected: 09/21/20 14:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-6

Matrix: Solid
Percent Solids: 82.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Isophorone	<200		200	44	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Naphthalene	<39		39	6.0	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Phenol	<200		200	87	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1
Pyrene	<39		39	7.8	ug/Kg	☼	10/01/20 06:30	10/01/20 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*31 - 143*	*10/01/20 06:30*	*10/01/20 22:23*	*1*
2-Fluorobiphenyl	*77*		*43 - 145*	*10/01/20 06:30*	*10/01/20 22:23*	*1*
2-Fluorophenol	*80*		*31 - 166*	*10/01/20 06:30*	*10/01/20 22:23*	*1*
Nitrobenzene-d5	*84*		*37 - 147*	*10/01/20 06:30*	*10/01/20 22:23*	*1*
Phenol-d5	*86*		*30 - 153*	*10/01/20 06:30*	*10/01/20 22:23*	*1*
Terphenyl-d14	*167*	*X*	*42 - 157*	*10/01/20 06:30*	*10/01/20 22:23*	*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		09/29/20 17:41	09/30/20 09:25	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		09/29/20 17:41	09/30/20 09:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:41	09/30/20 09:25	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		09/29/20 17:41	09/30/20 09:25	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:25	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:25	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:25	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 17:41	09/30/20 09:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:41	09/30/20 09:25	1
Manganese	**0.78**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:25	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:25	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:41	09/30/20 09:25	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:25	1
Zinc	**0.032**	**J**	0.50	0.020	mg/L		09/29/20 17:41	09/30/20 09:25	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:43	09/30/20 08:31	1
Barium	**0.061**	**J**	0.50	0.050	mg/L		09/29/20 17:43	09/30/20 08:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:43	09/30/20 08:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:43	09/30/20 08:31	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:31	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:31	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:31	1
Iron	**3.8**		0.40	0.20	mg/L		09/29/20 17:43	09/30/20 08:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:43	09/30/20 08:31	1
Manganese	**0.020**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:31	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:31	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:43	09/30/20 08:31	1

Client Sample ID: VC50-4(5-10)-092120

Date Collected: 09/21/20 14:30
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-6

Matrix: Solid
Percent Solids: 82.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:31	1
Zinc	**0.026**	**J**	0.50	0.020	mg/L		09/29/20 17:43	09/30/20 08:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.97**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Arsenic	**13**		0.55	0.19	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Barium	**55**		0.55	0.063	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Beryllium	**0.83**		0.22	0.052	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Cadmium	**0.060**	**J**	0.11	0.020	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Calcium	**72000**	**B**	110	19	mg/Kg	☼	09/25/20 18:33	09/28/20 10:21	10
Chromium	**17**		0.55	0.27	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Cobalt	**9.7**		0.28	0.073	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Copper	**28**		0.55	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Iron	**25000**		11	5.8	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Lead	**15**		0.28	0.13	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Magnesium	**28000**		5.5	2.7	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Manganese	**420**	**B**	0.55	0.080	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Nickel	**30**		0.55	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Potassium	**3000**		28	9.8	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Selenium	<0.55		0.55	0.33	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Silver	<0.28		0.28	0.071	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Sodium	**200**	**B**	55	8.2	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Thallium	**0.51**	**J**	0.55	0.28	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Vanadium	**25**		0.28	0.065	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	1
Zinc	**72**		1.1	0.49	mg/Kg	☼	09/25/20 18:33	09/28/20 09:07	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		09/30/20 09:40	10/01/20 08:20	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		09/30/20 09:40	10/01/20 08:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		20	6.6	ug/Kg	☼	09/27/20 13:25	09/28/20 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			09/25/20 23:18	1

Client Sample ID: VC50-4(10-15)-092120

Date Collected: 09/21/20 14:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-7

Matrix: Solid
Percent Solids: 85.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
1,2-Dichloroethane	<4.0		4.0	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Acetone	<16		16	7.1	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Carbon disulfide	<4.0		4.0	0.84	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Ethylbenzene	<1.6		1.6	0.77	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1
Xylenes, Total	<3.2		3.2	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 134*	*09/22/20 16:40*	*09/24/20 20:51*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*09/22/20 16:40*	*09/24/20 20:51*	*1*
Dibromofluoromethane	*95*		*75 - 126*	*09/22/20 16:40*	*09/24/20 20:51*	*1*
Toluene-d8 (Surr)	*91*		*75 - 124*	*09/22/20 16:40*	*09/24/20 20:51*	*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	☼	10/01/20 06:30	10/01/20 22:48	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-4(10-15)-092120
Date Collected: 09/21/20 14:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-7
Matrix: Solid
Percent Solids: 85.4

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	☼	10/01/20 06:30	10/01/20 22:48	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Anthracene	<38		38	6.4	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Bis(2-ethylhexyl) phthalate	<190	*	190	70	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Butyl benzyl phthalate	<190	*	190	73	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Carbazole	<190		190	95	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Chrysene	<38		38	10	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Fluorene	<38		38	5.4	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-4(10-15)-092120
Date Collected: 09/21/20 14:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-7
Matrix: Solid
Percent Solids: 85.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Isophorone	<190		190	43	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Naphthalene	<38		38	5.9	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Phenol	<190		190	85	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1
Pyrene	**8.8**	**J**	38	7.6	ug/Kg	☼	10/01/20 06:30	10/01/20 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*31 - 143*	*10/01/20 06:30*	*10/01/20 22:48*	*1*
2-Fluorobiphenyl	*74*		*43 - 145*	*10/01/20 06:30*	*10/01/20 22:48*	*1*
2-Fluorophenol	*78*		*31 - 166*	*10/01/20 06:30*	*10/01/20 22:48*	*1*
Nitrobenzene-d5	*81*		*37 - 147*	*10/01/20 06:30*	*10/01/20 22:48*	*1*
Phenol-d5	*84*		*30 - 153*	*10/01/20 06:30*	*10/01/20 22:48*	*1*
Terphenyl-d14	*166*	*X*	*42 - 157*	*10/01/20 06:30*	*10/01/20 22:48*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:41	09/30/20 09:28	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		09/29/20 17:41	09/30/20 09:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:41	09/30/20 09:28	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		09/29/20 17:41	09/30/20 09:28	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:28	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:28	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:28	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 17:41	09/30/20 09:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:41	09/30/20 09:28	1
Manganese	**1.5**		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:28	1
Nickel	**0.023**	**J**	0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:28	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:41	09/30/20 09:28	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:41	09/30/20 09:28	1
Zinc	**0.058**	**J**	0.50	0.020	mg/L		09/29/20 17:41	09/30/20 09:28	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:43	09/30/20 08:39	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		09/29/20 17:43	09/30/20 08:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:43	09/30/20 08:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:43	09/30/20 08:39	1
Chromium	**0.019**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:39	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:39	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:39	1
Iron	**11**		0.40	0.20	mg/L		09/29/20 17:43	09/30/20 08:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:43	09/30/20 08:39	1
Manganese	**0.064**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:39	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:39	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:43	09/30/20 08:39	1

Client Sample ID: VC50-4(10-15)-092120

Date Collected: 09/21/20 14:35
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-7

Matrix: Solid
Percent Solids: 85.4

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:39	1
Zinc	**0.065**	**J**	0.50	0.020	mg/L		09/29/20 17:43	09/30/20 08:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.49**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Arsenic	**3.9**		0.56	0.19	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Barium	**45**		0.56	0.064	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Beryllium	**0.50**		0.22	0.052	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Cadmium	**0.052**	**J**	0.11	0.020	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Calcium	**76000**	**B**	110	19	mg/Kg	☼	09/25/20 18:33	09/28/20 10:24	10
Chromium	**12**		0.56	0.28	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Cobalt	**6.8**		0.28	0.073	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Copper	**15**		0.56	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Iron	**13000**		11	5.8	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Lead	**9.9**		0.28	0.13	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Magnesium	**33000**		5.6	2.8	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Manganese	**390**	**B**	0.56	0.081	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Nickel	**17**		0.56	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Potassium	**2100**		28	9.9	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Sodium	**230**	**B**	56	8.3	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Thallium	**0.45**	**J**	0.56	0.28	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Vanadium	**18**		0.28	0.066	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1
Zinc	**43**		1.1	0.49	mg/Kg	☼	09/25/20 18:33	09/28/20 09:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:22	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	18	6.0	ug/Kg	☼	09/27/20 13:25	09/28/20 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			09/25/20 23:20	1

Client Sample ID: VC50-3(0-5)-092120

Date Collected: 09/21/20 14:40
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-8

Matrix: Solid
Percent Solids: 80.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
1,1,2-Trichloroethane	<1.8		1.8	0.76	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
1,1-Dichloroethane	<1.8		1.8	0.60	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
1,3-Dichloropropene, Total	<1.8		1.8	0.62	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Acetone	**28**		18	7.7	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Bromoform	<1.8		1.8	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Carbon disulfide	<4.4		4.4	0.92	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Ethylbenzene	<1.8		1.8	0.84	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Methyl Ethyl Ketone	**8.1**		4.4	2.0	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Toluene	<1.8		1.8	0.44	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Vinyl chloride	<1.8		1.8	0.78	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*	*09/22/20 16:40*	*09/24/20 21:17*	*1*
4-Bromofluorobenzene (Surr)	*110*		*75 - 131*	*09/22/20 16:40*	*09/24/20 21:17*	*1*
Dibromofluoromethane	*93*		*75 - 126*	*09/22/20 16:40*	*09/24/20 21:17*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*	*09/22/20 16:40*	*09/24/20 21:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-3(0-5)-092120
Date Collected: 09/21/20 14:40
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-8
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	<410		410	94	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2,4-Dinitrophenol	<830		830	720	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2-Methylphenol	<210		210	66	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Anthracene	<41		41	6.9	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Benzo[a]anthracene	<41		41	5.5	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Benzo[a]pyrene	<41		41	7.9	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Benzo[b]fluoranthene	<41		41	8.9	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Bis(2-ethylhexyl) phthalate	<210	*	210	75	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Butyl benzyl phthalate	<210	*	210	78	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Carbazole	<210		210	100	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Chrysene	<41		41	11	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Dibenz(a,h)anthracene	<41		41	7.9	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Dibenzofuran	<210		210	48	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Fluoranthene	**8.2**	**J**	41	7.6	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Fluorene	<41		41	5.8	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Hexachlorobenzene	<83		83	9.5	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Hexachloroethane	<210		210	62	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-3(0-5)-092120
Date Collected: 09/21/20 14:40
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-8
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	<41		41	11	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Isophorone	<210		210	46	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Naphthalene	<41		41	6.3	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Nitrobenzene	<41		41	10	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
N-Nitrosodi-n-propylamine	<83		83	50	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Phenanthrene	<41		41	5.7	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Phenol	<210		210	91	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1
Pyrene	**9.4**	**J**	41	8.2	ug/Kg	☼	10/01/20 06:30	10/01/20 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*31 - 143*	*10/01/20 06:30*	*10/01/20 23:14*	*1*
2-Fluorobiphenyl	*60*		*43 - 145*	*10/01/20 06:30*	*10/01/20 23:14*	*1*
2-Fluorophenol	*64*		*31 - 166*	*10/01/20 06:30*	*10/01/20 23:14*	*1*
Nitrobenzene-d5	*62*		*37 - 147*	*10/01/20 06:30*	*10/01/20 23:14*	*1*
Phenol-d5	*70*		*30 - 153*	*10/01/20 06:30*	*10/01/20 23:14*	*1*
Terphenyl-d14	*151*		*42 - 157*	*10/01/20 06:30*	*10/01/20 23:14*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:06	09/29/20 21:14	1
Barium	**0.72**		0.50	0.050	mg/L		09/29/20 07:06	09/29/20 21:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:06	09/29/20 21:14	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/29/20 07:06	09/29/20 21:14	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:14	1
Cobalt	**0.025**		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:14	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:14	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 07:06	09/29/20 21:14	1
Lead	**0.0088**		0.0075	0.0075	mg/L		09/29/20 07:06	09/29/20 21:14	1
Manganese	**16**		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:14	1
Nickel	**0.024**	**J**	0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:14	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:06	09/29/20 21:14	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:14	1
Zinc	**0.022**	**J**	0.50	0.020	mg/L		09/29/20 07:06	09/29/20 21:14	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:43	09/30/20 08:35	1
Barium	**0.086**	**J**	0.50	0.050	mg/L		09/29/20 17:43	09/30/20 08:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:43	09/30/20 08:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:43	09/30/20 08:35	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:35	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:35	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:35	1
Iron	**4.5**		0.40	0.20	mg/L		09/29/20 17:43	09/30/20 08:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:43	09/30/20 08:35	1
Manganese	**0.076**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:35	1
Nickel	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:35	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:43	09/30/20 08:35	1

Client Sample ID: VC50-3(0-5)-092120

Date Collected: 09/21/20 14:40
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-8

Matrix: Solid
Percent Solids: 80.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:35	1
Zinc	**0.039**	**J**	0.50	0.020	mg/L		09/29/20 17:43	09/30/20 08:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.73**	**J**	1.2	0.23	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Arsenic	**8.3**		0.59	0.20	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Barium	**90**		0.59	0.068	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Beryllium	**1.1**		0.24	0.055	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Calcium	**26000**	**B**	12	2.0	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Chromium	**24**		0.59	0.29	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Cobalt	**15**		0.30	0.078	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Copper	**27**		0.59	0.17	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Iron	**24000**		12	6.2	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Lead	**19**		0.30	0.14	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Magnesium	**18000**		5.9	2.9	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Manganese	**460**	**B**	0.59	0.086	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Nickel	**35**		0.59	0.17	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Potassium	**3500**		30	11	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Selenium	**0.38**	**J**	0.59	0.35	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Silver	<0.30		0.30	0.077	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Sodium	**260**	**B**	59	8.8	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Thallium	**0.65**		0.59	0.30	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Vanadium	**32**		0.30	0.070	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1
Zinc	**69**		1.2	0.52	mg/Kg	☼	09/25/20 18:33	09/28/20 09:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 07:45	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**		20	6.6	ug/Kg	☼	09/27/20 13:25	09/28/20 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			09/25/20 23:25	1

Client Sample ID: VC50-3(5-10)-092120

Date Collected: 09/21/20 14:45
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-9

Matrix: Solid
Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Acetone	<16		16	6.9	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	09/22/20 16:40	09/24/20 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*	*09/22/20 16:40*	*09/24/20 21:43*	*1*
4-Bromofluorobenzene (Surr)	*109*		*75 - 131*	*09/22/20 16:40*	*09/24/20 21:43*	*1*
Dibromofluoromethane	*93*		*75 - 126*	*09/22/20 16:40*	*09/24/20 21:43*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*09/22/20 16:40*	*09/24/20 21:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-3(5-10)-092120
Date Collected: 09/21/20 14:45
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-9
Matrix: Solid
Percent Solids: 83.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	88	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2-Methylphenol	<190		190	62	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Anthracene	<39		39	6.5	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Benzo[g,h,i]perylene	<39		39	12	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Bis(2-chloroethoxy)methane	<190		190	40	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Bis(2-ethylhexyl) phthalate	<190	*	190	71	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Butyl benzyl phthalate	<190	*	190	74	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Carbazole	<190		190	97	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Chrysene	<39		39	11	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Dibenzofuran	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Fluorene	<39		39	5.4	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Hexachloroethane	<190		190	59	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-3(5-10)-092120

Date Collected: 09/21/20 14:45
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-9

Matrix: Solid
Percent Solids: 83.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Isophorone	<190		190	44	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Naphthalene	<39		39	6.0	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Phenol	<190		190	86	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1
Pyrene	<39		39	7.7	ug/Kg	☼	10/01/20 06:30	10/01/20 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*55*		*31 - 143*	*10/01/20 06:30*	*10/01/20 23:40*	*1*
2-Fluorobiphenyl	*72*		*43 - 145*	*10/01/20 06:30*	*10/01/20 23:40*	*1*
2-Fluorophenol	*72*		*31 - 166*	*10/01/20 06:30*	*10/01/20 23:40*	*1*
Nitrobenzene-d5	*79*		*37 - 147*	*10/01/20 06:30*	*10/01/20 23:40*	*1*
Phenol-d5	*83*		*30 - 153*	*10/01/20 06:30*	*10/01/20 23:40*	*1*
Terphenyl-d14	*167*	*X*	*42 - 157*	*10/01/20 06:30*	*10/01/20 23:40*	*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		09/29/20 07:06	09/29/20 21:24	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		09/29/20 07:06	09/29/20 21:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:06	09/29/20 21:24	1
Cadmium	**0.0032**	**J**	0.0050	0.0020	mg/L		09/29/20 07:06	09/29/20 21:24	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:24	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:24	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:24	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 07:06	09/29/20 21:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:06	09/29/20 21:24	1
Manganese	**0.99**		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:24	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:24	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:06	09/29/20 21:24	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:24	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:06	09/29/20 21:24	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:43	09/30/20 08:51	1
Barium	**0.13**	**J**	0.50	0.050	mg/L		09/29/20 17:43	09/30/20 08:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:43	09/30/20 08:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:43	09/30/20 08:51	1
Chromium	**0.023**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:51	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:51	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:51	1
Iron	**14**		0.40	0.20	mg/L		09/29/20 17:43	09/30/20 08:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:43	09/30/20 08:51	1
Manganese	**0.074**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:51	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:51	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:43	09/30/20 08:51	1

Client Sample ID: VC50-3(5-10)-092120
Date Collected: 09/21/20 14:45
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-9
Matrix: Solid
Percent Solids: 83.4

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:51	1
Zinc	**0.075**	**J**	0.50	0.020	mg/L		09/29/20 17:43	09/30/20 08:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.77**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Arsenic	**9.0**		0.56	0.19	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Barium	**52**		0.56	0.063	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Beryllium	**0.77**		0.22	0.052	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Cadmium	**0.081**	**J**	0.11	0.020	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Calcium	**74000**	**B**	110	19	mg/Kg	☼	09/25/20 18:33	09/28/20 10:26	10
Chromium	**17**		0.56	0.28	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Cobalt	**11**		0.28	0.073	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Copper	**25**		0.56	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Iron	**20000**		11	5.8	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Lead	**14**		0.28	0.13	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Magnesium	**30000**		5.6	2.8	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Manganese	**440**	**B**	0.56	0.081	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Nickel	**29**		0.56	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Potassium	**3000**		28	9.8	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Sodium	**200**	**B**	56	8.2	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Thallium	**0.52**	**J**	0.56	0.28	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Vanadium	**24**		0.28	0.066	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1
Zinc	**66**		1.1	0.49	mg/Kg	☼	09/25/20 18:33	09/28/20 09:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 07:52	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 08:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		19	6.4	ug/Kg	☼	09/27/20 13:25	09/28/20 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			09/25/20 23:27	1

Client Sample ID: VC50-3(10-15)-092120

Date Collected: 09/21/20 14:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-10

Matrix: Solid
Percent Solids: 84.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
1,2-Dichloroethane	<4.0		4.0	1.3	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Acetone	<16		16	7.0	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Carbon disulfide	<4.0		4.0	0.84	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Ethylbenzene	<1.6		1.6	0.77	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1
Xylenes, Total	<3.2		3.2	0.52	ug/Kg	☼	09/22/20 16:40	09/25/20 09:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*	*09/22/20 16:40*	*09/25/20 09:14*	*1*
4-Bromofluorobenzene (Surr)	*103*		*75 - 131*	*09/22/20 16:40*	*09/25/20 09:14*	*1*
Dibromofluoromethane	*105*		*75 - 126*	*09/22/20 16:40*	*09/25/20 09:14*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*09/22/20 16:40*	*09/25/20 09:14*	*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	☼	10/01/20 06:30	10/02/20 00:06	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-3(10-15)-092120
Date Collected: 09/21/20 14:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-10
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Anthracene	<38		38	6.3	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Bis(2-ethylhexyl) phthalate	<190	*	190	69	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Butyl benzyl phthalate	<190	*	190	72	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Carbazole	<190		190	95	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Chrysene	<38		38	10	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Fluoranthene	<38		38	7.0	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Fluorene	<38		38	5.3	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Hexachloroethane	<190		190	58	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-3(10-15)-092120
Date Collected: 09/21/20 14:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-10
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.8	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Isophorone	<190		190	43	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Naphthalene	<38		38	5.8	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
N-Nitrosodi-n-propylamine	<77		77	46	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Phenol	<190		190	84	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1
Pyrene	<38		38	7.5	ug/Kg	☼	10/01/20 06:30	10/02/20 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*31 - 143*	*10/01/20 06:30*	*10/02/20 00:06*	*1*
2-Fluorobiphenyl	*69*		*43 - 145*	*10/01/20 06:30*	*10/02/20 00:06*	*1*
2-Fluorophenol	*70*		*31 - 166*	*10/01/20 06:30*	*10/02/20 00:06*	*1*
Nitrobenzene-d5	*73*		*37 - 147*	*10/01/20 06:30*	*10/02/20 00:06*	*1*
Phenol-d5	*84*		*30 - 153*	*10/01/20 06:30*	*10/02/20 00:06*	*1*
Terphenyl-d14	*180*	*X*	*42 - 157*	*10/01/20 06:30*	*10/02/20 00:06*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:06	09/29/20 21:27	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		09/29/20 07:06	09/29/20 21:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:06	09/29/20 21:27	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		09/29/20 07:06	09/29/20 21:27	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:27	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:27	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:27	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 07:06	09/29/20 21:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:06	09/29/20 21:27	1
Manganese	**1.3**		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:27	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:27	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:06	09/29/20 21:27	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:27	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:06	09/29/20 21:27	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 17:43	09/30/20 08:55	1
Barium	**0.14**	**J**	0.50	0.050	mg/L		09/29/20 17:43	09/30/20 08:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:43	09/30/20 08:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:43	09/30/20 08:55	1
Chromium	**0.031**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:55	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:55	1
Copper	**0.030**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:55	1
Iron	**25**		0.40	0.20	mg/L		09/29/20 17:43	09/30/20 08:55	1
Lead	**0.010**		0.0075	0.0075	mg/L		09/29/20 17:43	09/30/20 08:55	1
Manganese	**0.12**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:55	1
Nickel	**0.027**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:55	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:43	09/30/20 08:55	1

Client Sample ID: VC50-3(10-15)-092120

Date Collected: 09/21/20 14:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-10

Matrix: Solid
Percent Solids: 84.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:55	1
Zinc	**0.10**	**J**	0.50	0.020	mg/L		09/29/20 17:43	09/30/20 08:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.65**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Arsenic	**6.7**		0.56	0.19	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Barium	**56**		0.56	0.064	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Beryllium	**0.70**		0.22	0.052	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Cadmium	**0.11**		0.11	0.020	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Calcium	**77000**	**B**	110	19	mg/Kg	☼	09/25/20 18:33	09/28/20 10:29	10
Chromium	**16**		0.56	0.28	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Cobalt	**9.8**		0.28	0.074	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Copper	**21**		0.56	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Iron	**18000**		11	5.8	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Lead	**13**		0.28	0.13	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Magnesium	**29000**		5.6	2.8	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Manganese	**480**	**B**	0.56	0.081	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Nickel	**29**		0.56	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Potassium	**2900**		28	9.9	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Selenium	**0.39**	**J**	0.56	0.33	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Sodium	**210**	**B**	56	8.3	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Thallium	**0.41**	**J**	0.56	0.28	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Vanadium	**23**		0.28	0.066	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	1
Zinc	**62**		1.1	0.49	mg/Kg	☼	09/25/20 18:33	09/28/20 09:19	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		09/29/20 09:20	09/30/20 07:54	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 09:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		18	6.0	ug/Kg	☼	09/27/20 13:25	09/28/20 10:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**		0.2	0.2	SU			09/25/20 23:32	1

Client Sample ID: VC50-3(10-15)-092120D

Date Collected: 09/21/20 14:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-11

Matrix: Solid
Percent Solids: 86.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Acetone	<16		16	6.9	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Carbon disulfide	<3.9		3.9	0.82	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Methyl Ethyl Ketone	<3.9		3.9	1.8	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Methylene Chloride	<3.9		3.9	1.6	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
trans-1,2-Dichloroethene	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Vinyl chloride	<1.6		1.6	0.70	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	09/22/20 16:40	09/25/20 09:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*	*09/22/20 16:40*	*09/25/20 09:39*	*1*
4-Bromofluorobenzene (Surr)	*106*		*75 - 131*	*09/22/20 16:40*	*09/25/20 09:39*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*09/22/20 16:40*	*09/25/20 09:39*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*09/22/20 16:40*	*09/25/20 09:39*	*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	☼	10/01/20 06:30	10/02/20 00:33	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-3(10-15)-092120D
Date Collected: 09/21/20 14:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-11
Matrix: Solid
Percent Solids: 86.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2-Methylphenol	<190		190	61	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Anthracene	<37		37	6.3	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Bis(2-ethylhexyl) phthalate	<190	*	190	69	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Butyl benzyl phthalate	<190	*	190	72	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Carbazole	<190		190	94	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Chrysene	<37		37	10	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Dibenzofuran	<190		190	44	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Fluorene	<37		37	5.3	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Hexachloroethane	<190		190	57	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Client Sample ID: VC50-3(10-15)-092120D
Date Collected: 09/21/20 14:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-11
Matrix: Solid
Percent Solids: 86.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.8	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Isophorone	<190		190	42	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Naphthalene	<37		37	5.8	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Phenanthrene	<37		37	5.3	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Phenol	<190		190	84	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1
Pyrene	<37		37	7.5	ug/Kg	☼	10/01/20 06:30	10/02/20 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*57*		*31 - 143*	*10/01/20 06:30*	*10/02/20 00:33*	*1*
2-Fluorobiphenyl	*66*		*43 - 145*	*10/01/20 06:30*	*10/02/20 00:33*	*1*
2-Fluorophenol	*67*		*31 - 166*	*10/01/20 06:30*	*10/02/20 00:33*	*1*
Nitrobenzene-d5	*69*		*37 - 147*	*10/01/20 06:30*	*10/02/20 00:33*	*1*
Phenol-d5	*75*		*30 - 153*	*10/01/20 06:30*	*10/02/20 00:33*	*1*
Terphenyl-d14	*170*	*X*	*42 - 157*	*10/01/20 06:30*	*10/02/20 00:33*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/29/20 07:06	09/29/20 21:30	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		09/29/20 07:06	09/29/20 21:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 07:06	09/29/20 21:30	1
Cadmium	**0.0028**	**J**	0.0050	0.0020	mg/L		09/29/20 07:06	09/29/20 21:30	1
Chromium	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:30	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:30	1
Copper	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:30	1
Iron	<0.40		0.40	0.20	mg/L		09/29/20 07:06	09/29/20 21:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 07:06	09/29/20 21:30	1
Manganese	**1.3**		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:30	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:30	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 07:06	09/29/20 21:30	1
Silver	<0.025		0.025	0.010	mg/L		09/29/20 07:06	09/29/20 21:30	1
Zinc	<0.50		0.50	0.020	mg/L		09/29/20 07:06	09/29/20 21:30	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		09/29/20 17:43	09/30/20 08:59	1
Barium	**0.094**	**J**	0.50	0.050	mg/L		09/29/20 17:43	09/30/20 08:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/29/20 17:43	09/30/20 08:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/29/20 17:43	09/30/20 08:59	1
Chromium	**0.021**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:59	1
Cobalt	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:59	1
Copper	**0.019**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:59	1
Iron	**16**		0.40	0.20	mg/L		09/29/20 17:43	09/30/20 08:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/29/20 17:43	09/30/20 08:59	1
Manganese	**0.077**		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:59	1
Nickel	**0.018**	**J**	0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:59	1
Selenium	<0.050		0.050	0.020	mg/L		09/29/20 17:43	09/30/20 08:59	1

Client Sample ID: VC50-3(10-15)-092120D

Date Collected: 09/21/20 14:50
Date Received: 09/22/20 13:50

Lab Sample ID: 500-188169-11

Matrix: Solid
Percent Solids: 86.0

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/29/20 17:43	09/30/20 08:59	1
Zinc	**0.060**	**J**	0.50	0.020	mg/L		09/29/20 17:43	09/30/20 08:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.74**	**J**	1.1	0.22	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Arsenic	**10**		0.56	0.19	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Barium	**62**		0.56	0.064	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Beryllium	**0.64**		0.22	0.052	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Cadmium	**0.054**	**J**	0.11	0.020	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Calcium	**86000**	**B**	110	19	mg/Kg	☼	09/25/20 18:33	09/28/20 10:32	10
Chromium	**13**		0.56	0.28	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Cobalt	**17**		0.28	0.073	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Copper	**20**		0.56	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Iron	**25000**		110	58	mg/Kg	☼	09/25/20 18:33	09/28/20 10:32	10
Lead	**13**		0.28	0.13	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Magnesium	**46000**		56	28	mg/Kg	☼	09/25/20 18:33	09/28/20 10:32	10
Manganese	**670**	**B**	0.56	0.081	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Nickel	**26**		0.56	0.16	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Potassium	**2400**		28	9.9	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Selenium	**1.3**		0.56	0.33	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Sodium	**210**	**B**	56	8.3	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Thallium	**0.51**	**J**	0.56	0.28	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Vanadium	**18**		0.28	0.066	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1
Zinc	**50**		1.1	0.49	mg/Kg	☼	09/25/20 18:33	09/28/20 09:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/29/20 09:20	09/30/20 07:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/30/20 09:40	10/01/20 09:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		18	6.1	ug/Kg	☼	09/27/20 13:25	09/28/20 10:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			09/25/20 23:34	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-188169-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
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.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Chain of Custody Record 491328

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: TAL-8210

Client Contact	Project Manager: Andris Sleseres	Site Contact: T. Oberman	Date:	COC No:
Company Name: Weston	Tel/Email:	Lab Contact:	Carrier:	3 of 5 COCs
Address: 300 Plaza Ct.	Analysis Turnaround Time			Sampler:
City/State/Zip: Mundelein IL 60060	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name:	☐ 1 week			Job / SDG No.: 500-188169
Site:	☐ 2 days			
P O #	☐ 1 day			

500-188169 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH	Sample Specific Notes:
1	VC50-5(0-5)-092120	9/21/20	1405	G	S	6			X	X	X	X	X	
2	VC50-5(0-5)-092120D		1405			4								
3	VC50-5(5-10)-092120		1410			6								
4	VC50-5(10-15)-092120		1415			6								
5	VC50-4(0-5)-092120		1425			6								
6	VC50-4(5-10)-092120		1430			6								
7	VC50-4(10-15)-092120		1435			6								
8	VC50-3(0-5)-092120		1440			6								
9	~~VC50-3(0-5)-092120-TB~~		1445			6								VC50-3(5-10)-092120
10	VC50-3(10-15)-092120		1450			5								
11	VC50-3(10-15)-092120D		1450			4								

Elmhurst

503325

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: 3.3, 2.6, 3.9, 4.6, 1.8, 4.6

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by: Taylor Oberman	Company: Weston	Date/Time: 9/22/20 800	Received by:	Company: TA	Date/Time: 9/22/20 0800
Relinquished by:	Company: TA 9/22/20	Date/Time: 1350	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA-CHI	Date/Time: 9/22/20 1350

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Commercial Building - 32234 N. IL 83 (ISGS Site No. 3079V2-51)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.33126 (Decimal Degrees) Longitude: - 88.0291 (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 40

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33126 Longitude: - 88.02910

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATION F54-1 WAS SAMPLED ALONG THE FARMSTEAD ROW. SEE FIGURE 3-3, AND TABLE 4-1 OF THE 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: 500-177001-1. ALSO SEE FIGURE 4-3 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Commercial Buildings (ISGS Site No. 3079V-51)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	F54-1
Sample Date		1/27/2020
Field Sample ID		F54-1(0-2)-012720
ISGS Site No.		3079V-54
Laboratory pH	<6.25, >9.0	7.6
VOCs		**No Exceedances**
SVOCs (mg/kg)		
2,4,5-Trichlorophenol	26	ND
2,4,6-Trichlorophenol	0.66	ND
2,4-Dichlorophenol	1	ND
2-Methylnaphthalene	---	ND
4,6-Dinitro-2-methylphenol	---	ND
Acenaphthene	570	ND
Acenaphthylene	---	0.06
Anthracene	12000	0.027 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.053
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.14
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.11
Benzo(g,h,i)perylene	---	0.15
Benzo(k)fluoranthene	9	0.047
bis(2-Ethylhexyl)phthalate	46	ND
Butyl benzyl phthalate	930	ND
Carbazole	0.6	ND
Chrysene	88	0.075
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	0.036 J
Dibenzofuran	---	ND
Di-N-Butyl phthalate	2300	ND
Fluoranthene	3100	0.099
Fluorene	560	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.11
Naphthalene	1.8	ND
Pentachlorophenol	0.03	ND
Phenanthrene	---	0.025 J
Pyrene	2300	0.088
Pesticides (mg/kg)		
4,4-DDD	3	---
4,4-DDE	2	---
Dieldrin	0.603	---
PCBs (mg/kg)		
Aroclor-1248	1	---
Total Inorganics (mg/kg)		
Aluminum, Total	---	ND
Antimony, Total	5	0.25 J
Arsenic, Total	11.3 / 13.0	7.7
Barium, Total	1500	84
Beryllium, Total	22	1.1
Cadmium, Total	5.2	0.12 J
Calcium, Total	---	2400 B
Chromium, Total	21	25
Cobalt, Total	20	17
Copper, Total	2900	21
Cyanide, Total	0.2	---
Iron, Total	15000 / 15900	22000
Lead, Total	107	25
Magnesium, Total	325000	4800
Manganese, Total	630 / 636	380
Mercury, Total	0.89	0.03
Nickel, Total	100	34
Potassium, Total	---	3300
Selenium, Total	1.3	ND
Silver, Total	4.4	5.5
Sodium, Total	---	2900
Thallium, Total	2.6	ND
Vanadium, Total	550	37
Zinc, Total	5100	67

Summary Table of Commercial Buildings (ISGS Site No. 3079V-51)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	F54-1
Sample Date		1/27/2020
Field Sample ID		F54-1(0-2)-012720
ISGS Site No.		3079V-54
TCLP Metals (mg/l)		
Arsenic, TCLP	0.05	0.01 J
Barium, TCLP	2	0.47 J
Beryllium, TCLP	0.004	ND
Cadmium, TCLP	0.005	ND
Chromium, TCLP	0.1	ND
Cobalt, TCLP	1	0.033
Copper, TCLP	0.65	0.011 J
Iron, TCLP	5	0.61
Lead, TCLP	0.0075	0.02
Manganese, TCLP	0.15	12
Mercury, TCLP	0.002	ND
Nickel, TCLP	0.1	0.019 J
Selenium, TCLP	0.05	ND
Silver, TCLP	0.05	ND
Thallium, TCLP	0.002	ND
Zinc, TCLP	5	0.14 J
SPLP Metals (mg/l)		
Arsenic, SPLP	0.05	0.075
Barium, SPLP	2	0.95
Beryllium, SPLP	0.004	0.011
Cadmium, SPLP	0.005	ND
Chromium, SPLP	0.1	0.25
Cobalt, SPLP	1	0.08
Copper, SPLP	0.65	0.28
Iron, SPLP	5	250
Lead, SPLP	0.0075	0.21
Manganese, SPLP	0.15	2.6
Mercury, SPLP	0.002	0.0012
Nickel, SPLP	0.1	0.26
Selenium, SPLP	0.05	ND
Silver, SPLP	0.05	ND
Thallium, SPLP	0.002	ND
Zinc, SPLP	5	0.58

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-177001-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/17/2020 2:12:57 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: F54-1(0-2)-012720

Date Collected: 01/27/20 09:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-3

Matrix: Solid
Percent Solids: 79.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,1,2-Trichloroethane	<1.7		1.7	0.75	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,1-Dichloroethane	<1.7		1.7	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Acetone	**23**		17	7.6	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Benzene	<1.7		1.7	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Bromodichloromethane	<1.7		1.7	0.36	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Carbon tetrachloride	<1.7		1.7	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Chlorobenzene	<1.7		1.7	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Chloroform	<1.7		1.7	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
cis-1,2-Dichloroethene	<1.7		1.7	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
cis-1,3-Dichloropropene	<1.7		1.7	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Ethylbenzene	<1.7		1.7	0.84	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Methyl Ethyl Ketone	**5.0**		4.4	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Styrene	<1.7		1.7	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Tetrachloroethene	<1.7		1.7	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*	*01/28/20 17:20*	*02/05/20 12:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*75 - 131*	*01/28/20 17:20*	*02/05/20 12:53*	*1*
Dibromofluoromethane	*108*		*75 - 126*	*01/28/20 17:20*	*02/05/20 12:53*	*1*
Toluene-d8 (Surr)	*87*		*75 - 124*	*01/28/20 17:20*	*02/05/20 12:53*	*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	☼	02/05/20 07:34	02/05/20 20:09	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1

Client Sample ID: F54-1(0-2)-012720
Date Collected: 01/27/20 09:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-3
Matrix: Solid
Percent Solids: 79.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	94	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Methylphenol	<210		210	66	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Acenaphthylene	**60**		41	5.5	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Anthracene	**27**	**J**	41	6.9	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Benzo[a]anthracene	**53**		41	5.6	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Benzo[a]pyrene	**140**		41	8.0	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Benzo[b]fluoranthene	**110**		41	8.9	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Benzo[g,h,i]perylene	**150**		41	13	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Benzo[k]fluoranthene	**47**		41	12	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Carbazole	<210		210	100	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Chrysene	**75**		41	11	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Dibenz(a,h)anthracene	**36**	**J**	41	8.0	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Dibenzofuran	<210		210	48	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Fluoranthene	**99**		41	7.7	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Fluorene	<41		41	5.8	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Hexachloroethane	<210		210	63	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177001-1

Client Sample ID: F54-1(0-2)-012720
Date Collected: 01/27/20 09:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-3
Matrix: Solid
Percent Solids: 79.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**110**		41	11	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Isophorone	<210		210	46	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Naphthalene	<41		41	6.4	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Nitrobenzene	<41		41	10	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
N-Nitrosodi-n-propylamine	<83		83	51	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Phenanthrene	**25**	**J**	41	5.8	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Phenol	<210		210	92	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Pyrene	**88**		41	8.2	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*120*		*31 - 143*	*02/05/20 07:34*	*02/05/20 20:09*	*1*
2-Fluorobiphenyl	*98*		*43 - 145*	*02/05/20 07:34*	*02/05/20 20:09*	*1*
2-Fluorophenol	*102*		*31 - 166*	*02/05/20 07:34*	*02/05/20 20:09*	*1*
Nitrobenzene-d5	*99*		*37 - 147*	*02/05/20 07:34*	*02/05/20 20:09*	*1*
Phenol-d5	*80*		*30 - 153*	*02/05/20 07:34*	*02/05/20 20:09*	*1*
Terphenyl-d14	*146*		*42 - 157*	*02/05/20 07:34*	*02/05/20 20:09*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J**	0.050	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 11:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 11:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 11:13	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Cobalt	**0.033**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Iron	**0.61**		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 11:13	1
Lead	**0.020**		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 11:13	1
Manganese	**12**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 11:13	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Zinc	**0.14**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 11:13	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.075**		0.050	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Barium	**0.95**		0.50	0.050	mg/L		02/07/20 14:27	02/10/20 09:08	1
Beryllium	**0.011**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 09:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 09:08	1
Chromium	**0.25**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Cobalt	**0.080**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Copper	**0.28**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Iron	**250**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 09:08	1
Lead	**0.21**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 09:08	1
Manganese	**2.6**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Nickel	**0.26**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 09:08	1

Client Sample ID: F54-1(0-2)-012720
Date Collected: 01/27/20 09:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-3
Matrix: Solid
Percent Solids: 79.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Zinc	**0.58**		0.50	0.020	mg/L		02/07/20 14:27	02/10/20 09:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.25**	**J**	1.2	0.24	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Arsenic	**7.7**		0.62	0.21	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Barium	**84**		0.62	0.071	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Beryllium	**1.1**		0.25	0.058	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Cadmium	**0.12**	**B**	0.12	0.022	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Calcium	**2400**	**B**	12	2.1	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Chromium	**25**		0.62	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Cobalt	**17**		0.31	0.081	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Copper	**21**		0.62	0.17	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Iron	**22000**		12	6.4	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Lead	**25**		0.31	0.14	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Magnesium	**4800**		6.2	3.1	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Manganese	**380**		0.62	0.090	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Nickel	**34**		0.62	0.18	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Potassium	**3300**		31	11	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Selenium	<0.62		0.62	0.36	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Silver	**5.5**		0.31	0.080	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Sodium	**2900**		62	9.2	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Vanadium	**37**		0.31	0.073	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Zinc	**67**		1.2	0.54	mg/Kg	☼	01/31/20 06:53	02/04/20 02:27	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		02/13/20 16:40	02/14/20 12:05	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.2**		1.0	1.0	ug/L		02/13/20 16:40	02/17/20 10:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		19	6.3	ug/Kg	☼	02/14/20 15:25	02/15/20 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.6**		0.2	0.2	SU			01/31/20 21:05	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177001-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-177001 COC

Chain of Custody Record

Lab Job #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 4.3, 5.8, 5.2, 5

Report To (optional)		Bill To (optional)	
Contact:	Andris Siesers	Contact:	Same
Company:	Weston Solutions, Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Naperville, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Siesers@WestonSolutions.com	PO#/Reference#:	

Client	Client Project #
Weston Solutions, Inc.	
Project Name	
IDOT Grayslake, IL	
Project Location/State	**Lab Project #**
Grayslake, IL	02056.016.009
Sampler	**Lab PM**
Alex Deno	Edwards Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	BH					Comments
1		LM-1(0-2)-012720	1/27/20	0841	6	S		x	x	x	x	x					
2		CB51-1(0-3)-012720		0850	6												
3		F54-1(0-2)-012720		0900	6												
4		F54-2(0-6)-012720		0910	6												
5		F54-2(0-6)-012720D		0910	6												
6		R56-1(0-4)-012720		0940	6												
7		R56-2(0-5)-012720		0950	6												
8		A1-1(0-4)-012720		1005	6												
9		A1-2(0-4)-012720		1020	6												
10		VL60-3(0-2)-012720		1045	6												

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
	Westonsol.	1/27/20	1730		Weston	1/27/2020	1730
	Weston	1/28/2020	1115		TA	1/28/20	1115
	TA	1/28/20	1250		TA-CAL	1/28/20	1250

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments

Lab Comments:

TAL-4124-500(1209)

2/17/2020

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 #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: Andris Siesens	Contact: Same
Company: Weston Solutions, Inc.	Company:
Address: 300 Pierce Circle. Ste 202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax: —	Fax:
E-Mail: Andris.Siesens@WestonSolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions, Inc.	02056.016.009
Project Name: IDOT Grayslake	
Project Location/State: Grayslake, IL	Lab Project #
Sampler: Alex Demo	Lab PM: Richard Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
11		VL60-4(0-5)-012720	1/27/20	1100	6	S	x	x	x	x	x					
12		VL60-4(0-5)-012720D		1100	6											
13		VL60-5(0-3)-012720		1115	6											
14		VL60-6(0-2)-012720		1125	6											
15		WM-3(0-4)-012720		1230	6											
16		WM-1(0-2)-012720		1240	6											
17		WM-2(0-2)-012720		1255	6											
18		WM-4(0-4)-012720		1300	5											
19		WM-4(0-4)-012720D		1300	5											
20		WM-5(0-4)-012720		1335	5											

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston Sol.	1/27/20	1730	[signature]	Weston	1/27/2020	1730
[signature]	Weston	1/28/2020	1135	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	[signature]	TA	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Cellular Towers - 32223 N. IL 83 (ISGS Site No. 3079V2-52)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.33225 (Decimal Degrees) Longitude: - 88.02896 (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 114

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33225 Longitude: - 88.02896

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATION CT-1 WAS SAMPLED ALONG THE CELLULAR TOWER ROW. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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: 500-177008-1. ALSO SEE FIGURE 4-4 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Cellular Towers (ISGS Site No. 3079V-52)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CT-1
Sample Date		1/28/2020
Field Sample ID		CT-1(0-2)-012820
ISGS Site No.		3079V-52
Laboratory pH	<6.25, >9.0	7.9
VOCs		**No Exceedances**
SVOCs (mg/kg)		
2,4,5-Trichlorophenol	26	ND
2,4,6-Trichlorophenol	0.66	ND
2,4-Dichlorophenol	1	ND
2-Methylnaphthalene	---	ND
4,6-Dinitro-2-methylphenol	---	ND
Acenaphthene	570	ND
Acenaphthylene	---	0.03 J
Anthracene	12000	0.0089 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.033 J
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.079
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.087
Benzo(g,h,i)perylene	---	0.088
Benzo(k)fluoranthene	9	0.025 J
bis(2-Ethylhexyl)phthalate	46	ND
Butyl benzyl phthalate	930	ND
Carbazole	0.6	ND
Chrysene	88	0.042
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND
Dibenzofuran	---	ND
Di-N-Butyl phthalate	2300	ND
Fluoranthene	3100	0.059
Fluorene	560	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.059
Naphthalene	1.8	ND
Pentachlorophenol	0.03	ND
Phenanthrene	---	0.0072 J
Pyrene	2300	0.044
Pesticides (mg/kg)		
4,4-DDD	3	---
4,4-DDE	2	---
Dieldrin	0.603	---
PCBs (mg/kg)		
Aroclor-1248	1	---
Total Inorganics (mg/kg)		
Aluminum, Total	---	ND
Antimony, Total	5	0.85 J
Arsenic, Total	11.3 / 13.0	7.5
Barium, Total	1500	76
Beryllium, Total	22	1.2
Cadmium, Total	5.2	0.17 J
Calcium, Total	---	9000 B
Chromium, Total	21	27
Cobalt, Total	20	14
Copper, Total	2900	28
Cyanide, Total	0.2	---
Iron, Total	15000 / 15900	24000
Lead, Total	107	26
Magnesium, Total	325000	9700
Manganese, Total	630 / 636	260 B
Mercury, Total	0.89	0.022
Nickel, Total	100	42
Potassium, Total	---	3500
Selenium, Total	1.3	ND
Silver, Total	4.4	4
Sodium, Total	---	1700
Thallium, Total	2.6	ND
Vanadium, Total	550	34
Zinc, Total	5100	83

Summary Table of Cellular Towers (ISGS Site No. 3079V-52)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CT-1
Sample Date		1/28/2020
Field Sample ID		CT-1(0-2)-012820
ISGS Site No.		3079V-52
TCLP Metals (mg/l)		
Arsenic, TCLP	0.05	ND
Barium, TCLP	2	0.54
Beryllium, TCLP	0.004	ND
Cadmium, TCLP	0.005	ND
Chromium, TCLP	0.1	ND
Cobalt, TCLP	1	ND
Copper, TCLP	0.65	ND
Iron, TCLP	5	ND
Lead, TCLP	0.0075	ND
Manganese, TCLP	0.15	2.3
Mercury, TCLP	0.002	ND
Nickel, TCLP	0.1	0.014 J
Selenium, TCLP	0.05	ND
Silver, TCLP	0.05	ND
Thallium, TCLP	0.002	ND
Zinc, TCLP	5	0.33 J
SPLP Metals (mg/l)		
Arsenic, SPLP	0.05	0.082
Barium, SPLP	2	0.84
Beryllium, SPLP	0.004	0.011
Cadmium, SPLP	0.005	ND
Chromium, SPLP	0.1	0.22
Cobalt, SPLP	1	0.068
Copper, SPLP	0.65	0.25
Iron, SPLP	5	220
Lead, SPLP	0.0075	0.14
Manganese, SPLP	0.15	1.1
Mercury, SPLP	0.002	ND
Nickel, SPLP	0.1	0.26
Selenium, SPLP	0.05	ND
Silver, SPLP	0.05	ND
Thallium, SPLP	0.002	ND
Zinc, SPLP	5	0.67 B

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-177008-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/15/2020 5:53:07 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: CT-1(0-2)-012820
Date Collected: 01/28/20 08:45
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-4
Matrix: Solid
Percent Solids: 81.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.4**	**J**	1.8	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
1,1,2-Trichloroethane	<1.8		1.8	0.76	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
1,3-Dichloropropene, Total	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Acetone	**12**	**J**	18	7.8	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Carbon disulfide	<4.5		4.5	0.93	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Chlorobenzene	<1.8		1.8	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Chloromethane	<4.5	*	4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Ethylbenzene	<1.8		1.8	0.85	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Methyl Ethyl Ketone	<4.5		4.5	2.0	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Tetrachloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
trans-1,2-Dichloroethene	<1.8		1.8	0.79	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Vinyl chloride	<1.8		1.8	0.79	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1
Xylenes, Total	<3.6		3.6	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/28/20 17:20*	*02/05/20 18:00*	*1*
4-Bromofluorobenzene (Surr)	*110*		*75 - 131*	*01/28/20 17:20*	*02/05/20 18:00*	*1*
Dibromofluoromethane	*92*		*75 - 126*	*01/28/20 17:20*	*02/05/20 18:00*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*01/28/20 17:20*	*02/05/20 18:00*	*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	☼	02/04/20 18:12	02/06/20 16:33	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1

Client Sample ID: CT-1(0-2)-012820
Date Collected: 01/28/20 08:45
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-4
Matrix: Solid
Percent Solids: 81.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2-Methylphenol	<200		200	65	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Acenaphthylene	**30**	**J**	40	5.3	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Anthracene	**8.9**	**J**	40	6.7	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Benzo[a]anthracene	**33**	**J**	40	5.4	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Benzo[a]pyrene	**79**		40	7.8	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Benzo[b]fluoranthene	**87**		40	8.7	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Benzo[g,h,i]perylene	**88**		40	13	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Benzo[k]fluoranthene	**25**	**J**	40	12	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Carbazole	<200		200	100	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Chrysene	**42**		40	11	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Fluoranthene	**59**		40	7.5	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Fluorene	<40		40	5.7	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1

Client Sample ID: CT-1(0-2)-012820

Date Collected: 01/28/20 08:45
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-4

Matrix: Solid
Percent Solids: 81.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**59**		40	10	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Isophorone	<200		200	45	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
N-Nitrosodiphenylamine	<200	*	200	48	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Phenanthrene	**7.2**	**J**	40	5.6	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Phenol	<200		200	90	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1
Pyrene	**44**		40	8.0	ug/Kg	☼	02/04/20 18:12	02/06/20 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*114*		*31 - 143*	*02/04/20 18:12*	*02/06/20 16:33*	*1*
2-Fluorobiphenyl	*88*		*43 - 145*	*02/04/20 18:12*	*02/06/20 16:33*	*1*
2-Fluorophenol	*95*		*31 - 166*	*02/04/20 18:12*	*02/06/20 16:33*	*1*
Nitrobenzene-d5	*82*		*37 - 147*	*02/04/20 18:12*	*02/06/20 16:33*	*1*
Phenol-d5	*76*		*30 - 153*	*02/04/20 18:12*	*02/06/20 16:33*	*1*
Terphenyl-d14	*142*		*42 - 157*	*02/04/20 18:12*	*02/06/20 16:33*	*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		02/08/20 16:36	02/10/20 10:23	1
Barium	**0.54**		0.50	0.050	mg/L		02/08/20 16:36	02/10/20 10:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 10:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 10:23	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:23	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:23	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:23	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 10:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 10:23	1
Manganese	**2.3**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:23	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:23	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 10:23	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:23	1
Zinc	**0.33**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 10:23	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.082**		0.050	0.010	mg/L		02/08/20 16:30	02/10/20 10:08	1
Barium	**0.84**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 10:08	1
Beryllium	**0.011**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 10:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 10:08	1
Chromium	**0.22**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:08	1
Cobalt	**0.068**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:08	1
Copper	**0.25**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:08	1
Iron	**220**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 10:08	1
Lead	**0.14**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 10:08	1
Manganese	**1.1**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:08	1
Nickel	**0.26**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:08	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 10:08	1

Client Sample ID: CT-1(0-2)-012820

Date Collected: 01/28/20 08:45
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-4

Matrix: Solid
Percent Solids: 81.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:08	1
Zinc	**0.67**	**B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 10:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.85**	**J**	1.1	0.22	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Arsenic	**7.5**		0.57	0.19	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Barium	**76**		0.57	0.065	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Beryllium	**1.2**		0.23	0.053	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Cadmium	**0.17**	**B**	0.11	0.020	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Calcium	**9000**	**B**	11	1.9	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Chromium	**27**		0.57	0.28	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Cobalt	**14**		0.28	0.074	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Copper	**28**		0.57	0.16	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Iron	**24000**		11	5.9	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Lead	**26**		0.28	0.13	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Magnesium	**9700**		5.7	2.8	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Manganese	**260**	**B**	0.57	0.082	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Nickel	**42**		0.57	0.17	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Potassium	**3500**		28	10	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Silver	**4.0**		0.28	0.073	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Sodium	**1700**		57	8.4	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Vanadium	**34**		0.28	0.067	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	1
Zinc	**83**		1.1	0.50	mg/Kg	☼	02/03/20 07:16	02/04/20 04:14	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		02/13/20 10:55	02/14/20 08:46	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		02/13/20 16:40	02/14/20 09:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		20	6.7	ug/Kg	☼	02/13/20 16:05	02/14/20 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.9**		0.2	0.2	SU			02/04/20 16:10	1

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street. University Park. IL 604
Phone: 708.534.5200 Fax: 708.534.5

500-177008 COC

(optional)
Report To
Contact: Andrus Sieseus
Company: Weston Solutions, Inc.
Address: 300 Plaza Circle. Ste.
Address: 202. Mandelein, IL
Phone: 224-864-7201
Fax:
E-Mail: Andrus.Sieseus@westonsolutions.com

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-177008
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 2.9

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max Dehio
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		VL55-1(0-2)-012820	1/28/20	0820	6	S	x	x	x	x	x					
2		VL55-2(0-2)-012820		0825	6											
3		VL55-3(0-3)-012820		0840	6											
4		CT-1(0-2)-012820		0845	6											
5		CR-2(0-5)-012820		0910	6											
6		CR-2(0-5)-012820D		0910	6											
7		CR-2(5-9)-012820		0915	6											
8		CR-1(0-5)-012820		0930	6											
9		CR-1(5-9)-012820		0940	6											
		~~CB43-1(0-2)-012820~~		~~0945~~	~~6~~											RW 1/28

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
[signature]	Weston Sol.	1/28/20	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	Shiri Scott	TA-CHI	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

TestAmerica
THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.5

500-177008 COC

(optional)
Report To
Contact: Andris Siesevs
Company: Weston Solutions, Inc.
Address: 300 Plaza Circle, Ste.
Address: 202, Mandelein, IL
Phone: 224-864-7201
Fax:
E-Mail: Andris.Siesevs@westonsolutions.com

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-177008
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 2.9

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max Dehro
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		VL55-1(0-2)-012820	1/28/20	0820	6	S	x	x	x	x	x					
2		VL55-2(0-2)-012820		0825	6											
3		VL55-3(0-3)-012820		0840	6											
4		CT-1(0-2)-012820		0845	6											
5		CR-2(0-5)-012820		0910	6											
6		CR-2(0-5)-012820D		0910	6											
7		CR-2(5-9)-012820		0915	6											
8		CR-1(0-5)-012820		0930	6											
9		CR-1(5-9)-012820		0940	6											
		~~CB43-1(0-2)-012820~~		~~0945~~	~~6~~											RW 1/28

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 ☒ Disposal by Lab ☐ Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston Sol.	1/28/20	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	Shiri Scott	TA-CHI	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

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 #: 500-177008

Chain of Custody Number:

Page ____ of ____

Temperature °C of Cooler:

(optional) Report To	(optional) Bill To
Contact: Andris Siesers	Contact: SAME
Company: Weston Solutions, Inc.	Company:
Address: 300 Plaza Circle Ste 202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax:	Fax:
E-Mail: Andris.Siesers@westonsolutions.com	PO#/Reference#:

Client	Client Project #
Weston Solutions, Inc	02056.016.008
Project Name: IDOT Grayslake, IL	
Project Location/State: Grayslake, IL	Lab Project #:
Sampler: Max Dekio	Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
		~~SQ-1(0-5)-012820~~	~~1/28/20~~	~~0950~~	~~6~~	~~5~~	~~x~~	~~x~~	~~x~~	~~x~~	~~x~~					RW 1/28

1/28/20

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
[signature]	Weston Sol.	1/28/20	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	[signature]	TA CRT	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Farmstead - 32234 N. IL 83 (ISGS Site No. 3079V2-54)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.33126 (Decimal Degrees) Longitude: - 88.0291 (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 173

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33126 Longitude: - 88.02910

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATION F54-1 WAS SAMPLED ALONG THE FARMSTEAD ROW. SEE FIGURE 3-3, AND TABLE 4-1 OF THE 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: 500-177001-1. ALSO SEE FIGURE 4-3 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Farmstead (ISGS Site No. 3079V-54)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	F54-1
Sample Date		1/27/2020
Field Sample ID		F54-1(0-2)-012720
ISGS Site No.		3079V-54
Laboratory pH	<6.25, >9.0	7.6
VOCs		**No Exceedances**
SVOCs (mg/kg)		
2,4,5-Trichlorophenol	26	ND
2,4,6-Trichlorophenol	0.66	ND
2,4-Dichlorophenol	1	ND
2-Methylnaphthalene	---	ND
4,6-Dinitro-2-methylphenol	---	ND
Acenaphthene	570	ND
Acenaphthylene	---	0.06
Anthracene	12000	0.027 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.053
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.14
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.11
Benzo(g,h,i)perylene	---	0.15
Benzo(k)fluoranthene	9	0.047
bis(2-Ethylhexyl)phthalate	46	ND
Butyl benzyl phthalate	930	ND
Carbazole	0.6	ND
Chrysene	88	0.075
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	0.036 J
Dibenzofuran	---	ND
Di-N-Butyl phthalate	2300	ND
Fluoranthene	3100	0.099
Fluorene	560	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.11
Naphthalene	1.8	ND
Pentachlorophenol	0.03	ND
Phenanthrene	---	0.025 J
Pyrene	2300	0.088
Pesticides (mg/kg)		
4,4-DDD	3	---
4,4-DDE	2	---
Dieldrin	0.603	---
PCBs (mg/kg)		
Aroclor-1248	1	---
Total Inorganics (mg/kg)		
Aluminum, Total	---	ND
Antimony, Total	5	0.25 J
Arsenic, Total	11.3 / 13.0	7.7
Barium, Total	1500	84
Beryllium, Total	22	1.1
Cadmium, Total	5.2	0.12 J
Calcium, Total	---	2400 B
Chromium, Total	21	25
Cobalt, Total	20	17
Copper, Total	2900	21
Cyanide, Total	0.2	---
Iron, Total	15000 / 15900	22000
Lead, Total	107	25
Magnesium, Total	325000	4800
Manganese, Total	630 / 636	380
Mercury, Total	0.89	0.03
Nickel, Total	100	34
Potassium, Total	---	3300
Selenium, Total	1.3	ND
Silver, Total	4.4	5.5
Sodium, Total	---	2900
Thallium, Total	2.6	ND
Vanadium, Total	550	37
Zinc, Total	5100	67

Summary Table of Farmstead (ISGS Site No. 3079V-54)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	F54-1
Sample Date		1/27/2020
Field Sample ID		F54-1(0-2)-012720
ISGS Site No.		3079V-54
TCLP Metals (mg/l)		
Arsenic, TCLP	0.05	0.01 J
Barium, TCLP	2	0.47 J
Beryllium, TCLP	0.004	ND
Cadmium, TCLP	0.005	ND
Chromium, TCLP	0.1	ND
Cobalt, TCLP	1	0.033
Copper, TCLP	0.65	0.011 J
Iron, TCLP	5	0.61
Lead, TCLP	0.0075	0.02
Manganese, TCLP	0.15	12
Mercury, TCLP	0.002	ND
Nickel, TCLP	0.1	0.019 J
Selenium, TCLP	0.05	ND
Silver, TCLP	0.05	ND
Thallium, TCLP	0.002	ND
Zinc, TCLP	5	0.14 J
SPLP Metals (mg/l)		
Arsenic, SPLP	0.05	0.075
Barium, SPLP	2	0.95
Beryllium, SPLP	0.004	0.011
Cadmium, SPLP	0.005	ND
Chromium, SPLP	0.1	0.25
Cobalt, SPLP	1	0.08
Copper, SPLP	0.65	0.28
Iron, SPLP	5	250
Lead, SPLP	0.0075	0.21
Manganese, SPLP	0.15	2.6
Mercury, SPLP	0.002	0.0012
Nickel, SPLP	0.1	0.26
Selenium, SPLP	0.05	ND
Silver, SPLP	0.05	ND
Thallium, SPLP	0.002	ND
Zinc, SPLP	5	0.58

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-177001-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/17/2020 2:12:57 PM

Richard Wright, Senior Project Manager
(708)534-5200
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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: F54-1(0-2)-012720

Date Collected: 01/27/20 09:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-3

Matrix: Solid
Percent Solids: 79.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,1,2-Trichloroethane	<1.7		1.7	0.75	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,1-Dichloroethane	<1.7		1.7	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Acetone	**23**		17	7.6	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Benzene	<1.7		1.7	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Bromodichloromethane	<1.7		1.7	0.36	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Carbon tetrachloride	<1.7		1.7	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Chlorobenzene	<1.7		1.7	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Chloroform	<1.7		1.7	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
cis-1,2-Dichloroethene	<1.7		1.7	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
cis-1,3-Dichloropropene	<1.7		1.7	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Ethylbenzene	<1.7		1.7	0.84	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Methyl Ethyl Ketone	**5.0**		4.4	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Styrene	<1.7		1.7	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Tetrachloroethene	<1.7		1.7	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*	*01/28/20 17:20*	*02/05/20 12:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*75 - 131*	*01/28/20 17:20*	*02/05/20 12:53*	*1*
Dibromofluoromethane	*108*		*75 - 126*	*01/28/20 17:20*	*02/05/20 12:53*	*1*
Toluene-d8 (Surr)	*87*		*75 - 124*	*01/28/20 17:20*	*02/05/20 12:53*	*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	☼	02/05/20 07:34	02/05/20 20:09	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1

Client Sample ID: F54-1(0-2)-012720
Date Collected: 01/27/20 09:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-3
Matrix: Solid
Percent Solids: 79.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	94	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Methylphenol	<210		210	66	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Acenaphthylene	**60**		41	5.5	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Anthracene	**27**	**J**	41	6.9	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Benzo[a]anthracene	**53**		41	5.6	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Benzo[a]pyrene	**140**		41	8.0	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Benzo[b]fluoranthene	**110**		41	8.9	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Benzo[g,h,i]perylene	**150**		41	13	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Benzo[k]fluoranthene	**47**		41	12	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Bis(2-ethylhexyl) phthalate	<210		210	76	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Carbazole	<210		210	100	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Chrysene	**75**		41	11	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Dibenz(a,h)anthracene	**36**	**J**	41	8.0	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Dibenzofuran	<210		210	48	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Fluoranthene	**99**		41	7.7	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Fluorene	<41		41	5.8	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Hexachloroethane	<210		210	63	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177001-1

Client Sample ID: F54-1(0-2)-012720
Date Collected: 01/27/20 09:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-3
Matrix: Solid
Percent Solids: 79.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**110**		41	11	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Isophorone	<210		210	46	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Naphthalene	<41		41	6.4	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Nitrobenzene	<41		41	10	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
N-Nitrosodi-n-propylamine	<83		83	51	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Phenanthrene	**25**	**J**	41	5.8	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Phenol	<210		210	92	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1
Pyrene	**88**		41	8.2	ug/Kg	☼	02/05/20 07:34	02/05/20 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*120*		*31 - 143*	*02/05/20 07:34*	*02/05/20 20:09*	*1*
2-Fluorobiphenyl	*98*		*43 - 145*	*02/05/20 07:34*	*02/05/20 20:09*	*1*
2-Fluorophenol	*102*		*31 - 166*	*02/05/20 07:34*	*02/05/20 20:09*	*1*
Nitrobenzene-d5	*99*		*37 - 147*	*02/05/20 07:34*	*02/05/20 20:09*	*1*
Phenol-d5	*80*		*30 - 153*	*02/05/20 07:34*	*02/05/20 20:09*	*1*
Terphenyl-d14	*146*		*42 - 157*	*02/05/20 07:34*	*02/05/20 20:09*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J**	0.050	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 11:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 11:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 11:13	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Cobalt	**0.033**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Iron	**0.61**		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 11:13	1
Lead	**0.020**		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 11:13	1
Manganese	**12**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 11:13	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:13	1
Zinc	**0.14**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 11:13	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.075**		0.050	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Barium	**0.95**		0.50	0.050	mg/L		02/07/20 14:27	02/10/20 09:08	1
Beryllium	**0.011**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 09:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 09:08	1
Chromium	**0.25**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Cobalt	**0.080**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Copper	**0.28**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Iron	**250**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 09:08	1
Lead	**0.21**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 09:08	1
Manganese	**2.6**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Nickel	**0.26**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 09:08	1

Client Sample ID: F54-1(0-2)-012720
Date Collected: 01/27/20 09:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-3
Matrix: Solid
Percent Solids: 79.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:08	1
Zinc	**0.58**		0.50	0.020	mg/L		02/07/20 14:27	02/10/20 09:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.25**	**J**	1.2	0.24	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Arsenic	**7.7**		0.62	0.21	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Barium	**84**		0.62	0.071	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Beryllium	**1.1**		0.25	0.058	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Cadmium	**0.12**	**B**	0.12	0.022	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Calcium	**2400**	**B**	12	2.1	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Chromium	**25**		0.62	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Cobalt	**17**		0.31	0.081	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Copper	**21**		0.62	0.17	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Iron	**22000**		12	6.4	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Lead	**25**		0.31	0.14	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Magnesium	**4800**		6.2	3.1	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Manganese	**380**		0.62	0.090	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Nickel	**34**		0.62	0.18	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Potassium	**3300**		31	11	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Selenium	<0.62		0.62	0.36	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Silver	**5.5**		0.31	0.080	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Sodium	**2900**		62	9.2	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Vanadium	**37**		0.31	0.073	mg/Kg	☼	01/31/20 06:53	02/01/20 03:33	1
Zinc	**67**		1.2	0.54	mg/Kg	☼	01/31/20 06:53	02/04/20 02:27	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		02/13/20 16:40	02/14/20 12:05	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.2**		1.0	1.0	ug/L		02/13/20 16:40	02/17/20 10:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		19	6.3	ug/Kg	☼	02/14/20 15:25	02/15/20 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.6**		0.2	0.2	SU			01/31/20 21:05	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177001-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-177001 COC

Chain of Custody Record

Lab Job #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 4.3, 5.8, 5.2, 5

Report To (optional)		Bill To (optional)	
Contact:	Andris Siesers	Contact:	Same
Company:	Weston Solutions, Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Naperville, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Siesers@WestonSolutions.com	PO#/Reference#:	

Client	Client Project #
Weston Solutions, Inc.	
Project Name	
IDOT Grayslake, IL	
Project Location/State	**Lab Project #**
Grayslake, IL	02056.016.009
Sampler	**Lab PM**
Alex Deno	Edwards Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	BH					Comments
1		LM-1(0-2)-012720	1/27/20	0841	6	S		x	x	x	x	x					
2		CB51-1(0-3)-012720		0850	6												
3		F54-1(0-2)-012720		0900	6												
4		F54-2(0-6)-012720		0910	6												
5		F54-2(0-6)-012720D		0910	6												
6		R56-1(0-4)-012720		0940	6												
7		R56-2(0-5)-012720		0950	6												
8		A1-1(0-4)-012720		1005	6												
9		A1-2(0-4)-012720		1020	6												
10		VL60-3(0-2)-012720		1045	6												

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
	Westonsol.	1/27/20	1730		Weston	1/27/2020	1730
	Weston	1/28/2020	1115		TA	1/28/20	1115
	TA	1/28/20	1250		TA-CAL	1/28/20	1250

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments

Lab Comments:

TAL-4124-500(1209)

2/17/2020

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 #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: Andris Siesens	Contact: Same
Company: Weston Solutions, Inc.	Company:
Address: 300 Pierce Circle. Ste 202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax: —	Fax:
E-Mail: Andris.Siesens@WestonSolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions, Inc.	02056.016.009
Project Name: IDOT Grayslake	
Project Location/State: Grayslake, IL	Lab Project #
Sampler: Alex Demo	Lab PM: Richard Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
11		VL60-4(0-5)-012720	1/27/20	1100	6	S	x	x	x	x	x					
12		VL60-4(0-5)-012720D		1100	6											
13		VL60-5(0-3)-012720		1115	6											
14		VL60-6(0-2)-012720		1125	6											
15		WM-3(0-4)-012720		1230	6											
16		WM-1(0-2)-012720		1240	6											
17		WM-2(0-2)-012720		1255	6											
18		WM-4(0-4)-012720		1300	5											
19		WM-4(0-4)-012720D		1300	5											
20		WM-5(0-4)-012720		1335	5											

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston Sol.	1/27/20	1730	[signature]	Weston	1/27/2020	1730
[signature]	Weston	1/28/2020	1135	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	[signature]	TA	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Vacant Land - 32223 N. IL 83 (ISGS Site No. 3079V2-55)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.33122 (Decimal Degrees) Longitude: - 88.02896 (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 672

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33122 Longitude: - 88.02896

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 VM-5, VL55-1 THROUGH VL55-3 WERE SAMPLED ALONG THE VACANT LAND ROW. SEE FIGURES 3-3 AND 3-5, AND TABLE 4-1 OF THE PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-177008-1 AND 500-177004-1. ALSO SEE FIGURES 4-3 AND 4-5 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Vacant Land (ISGS Site No. 3079V-55)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VL55-1	VL55-2	VL55-3	VM-5
Sample Date		1/28/2020	1/28/2020	1/28/2020	1/27/2020
Field Sample ID		VL55-1(0-2)-012820	VL55-2(0-2)-012820	VL55-3(0-3)-012820	VM-5(0-4)-012720
ISGS Site No.		3079V-55	3079V-55	3079V-55	3079V-57
Laboratory pH	<6.25, >9.0	8.1	8.7	7.7	8.3
VOCs		**No Exceedances**			
SVOCs (mg/kg)					
2,4,5-Trichlorophenol	26	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	0.037 J
Acenaphthylene	---	ND	ND	ND	0.04
Anthracene	12000	ND	ND	ND	0.045
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.015 J	0.035 J	ND	0.025 J
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.027 J	0.051	ND	0.041
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.036 J	0.064	ND	0.054
Benzo(g,h,i)perylene	---	0.024 J	0.041	ND	0.026 J
Benzo(k)fluoranthene	9	ND	0.013 J	ND	0.012 J
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND
Chrysene	88	0.023 J	0.043	ND	0.04
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	ND	0.01 J
Dibenzofuran	---	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	0.074 J
Fluoranthene	3100	0.056	0.085	ND	0.077
Fluorene	560	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	0.031 J	ND	0.022 J
Naphthalene	1.8	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND
Phenanthrene	---	0.0098 J	0.028 J	ND	0.035 J
Pyrene	2300	0.027 J	0.063	ND	0.06
Pesticides (mg/kg)					
4,4-DDD	3	---	---	---	---
4,4-DDE	2	---	---	---	---
Dieldrin	0.603	---	---	---	---
PCBs (mg/kg)					
Aroclor-1248	1	---	---	---	---
Total Inorganics (mg/kg)					
Aluminum, Total	---	ND	ND	ND	ND
Antimony, Total	5	1.1 J	0.74 J	1 J	0.68 J
Arsenic, Total	11.3 / 13.0	6.8	6.3	8.5	6.7
Barium, Total	1500	89 J	63	70	39
Beryllium, Total	22	1.2 J	0.91	1.1	0.71
Cadmium, Total	5.2	0.17 J	0.23 J	0.2 J	0.19
Calcium, Total	---	17000 J	34000 B	25000 B	70000 B
Chromium, Total	21	27	20	23	26
Cobalt, Total	20	13	13	14	6.3
Copper, Total	2900	23	22	28	21
Cyanide, Total	0.2	---	---	---	---
Iron, Total	15000 / 15900	23000	18000	23000	16000
Lead, Total	107	15 J	24	18	10
Magnesium, Total	325000	15000 J	21000	20000	30000
Manganese, Total	630 / 636	460 B	460 B	450 B	440
Mercury, Total	0.89	0.049 J	0.028	0.023	0.016 J
Nickel, Total	100	38	30	40	35
Potassium, Total	---	3800	3000	3200	2500
Selenium, Total	1.3	0.49 J	0.52 J	0.35 J	0.46 J
Silver, Total	4.4	3.7 J	3	3.7	2.4
Sodium, Total	---	320 J	1100	3300	390
Thallium, Total	2.6	ND	ND	ND	ND
Vanadium, Total	550	35	27	30	23
Zinc, Total	5100	72 J	76	74	53

Summary Table of Vacant Land (ISGS Site No. 3079V-55)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VL55-1	VL55-2	VL55-3	VM-5
Sample Date		1/28/2020	1/28/2020	1/28/2020	1/27/2020
Field Sample ID		VL55-1(0-2)-012820	VL55-2(0-2)-012820	VL55-3(0-3)-012820	VM-5(0-4)-012720
ISGS Site No.		3079V-55	3079V-55	3079V-55	3079V-57
TCLP Metals (mg/l)					
Arsenic, TCLP	0.05	ND	ND	ND	ND
Barium, TCLP	2	0.37 J	0.47 J	0.56	0.42 J
Beryllium, TCLP	0.004	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	0.02 J	ND
Copper, TCLP	0.65	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND
Manganese, TCLP	0.15	0.089	0.11	6	0.55
Mercury, TCLP	0.002	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	0.03	ND
Selenium, TCLP	0.05	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND
Zinc, TCLP	5	0.23 J	ND	0.25 J	ND
SPLP Metals (mg/l)					
Arsenic, SPLP	0.05	0.029 J	0.086	0.1	0.057
Barium, SPLP	2	0.42 J	0.86	1.1	0.52
Beryllium, SPLP	0.004	0.0046	0.012	0.014	0.0064
Cadmium, SPLP	0.005	ND	ND	0.0021 J	ND
Chromium, SPLP	0.1	0.1	0.23	0.26	0.14
Cobalt, SPLP	1	0.016 J	0.064	0.096	0.039
Copper, SPLP	0.65	0.097	0.27	0.33	0.17
Iron, SPLP	5	88	240	290	130
Lead, SPLP	0.0075	0.05	0.15	0.16	0.08
Manganese, SPLP	0.15	0.31	1.1	2.2	0.55
Mercury, SPLP	0.002	ND	ND	0.00056	ND
Nickel, SPLP	0.1	0.089	0.26	0.36	0.14
Selenium, SPLP	0.05	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND
Zinc, SPLP	5	0.68 B	0.8 B	1 B	0.56 B

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-177008-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/15/2020 5:53:07 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: VL55-1(0-2)-012820

Date Collected: 01/28/20 08:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-1

Matrix: Solid
Percent Solids: 80.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
1,1,2-Trichloroethane	<1.9		1.9	0.81	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
1,1-Dichloroethane	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
1,1-Dichloroethene	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
1,2-Dichloropropane	<1.9		1.9	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
1,3-Dichloropropene, Total	<1.9		1.9	0.67	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Acetone	<19		19	8.3	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Benzene	<1.9		1.9	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Bromodichloromethane	<1.9		1.9	0.39	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Bromoform	<1.9		1.9	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Carbon disulfide	<4.7		4.7	0.99	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Carbon tetrachloride	<1.9		1.9	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Chlorobenzene	<1.9		1.9	0.70	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Chloroethane	<4.7		4.7	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Chloroform	<1.9		1.9	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Chloromethane	<4.7	*	4.7	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
cis-1,2-Dichloroethene	<1.9		1.9	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
cis-1,3-Dichloropropene	<1.9		1.9	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Dibromochloromethane	<1.9		1.9	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Ethylbenzene	<1.9		1.9	0.91	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Methyl Ethyl Ketone	<4.7		4.7	2.1	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Methyl tert-butyl ether	<1.9		1.9	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Methylene Chloride	<4.7		4.7	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Styrene	<1.9		1.9	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Tetrachloroethene	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Toluene	<1.9		1.9	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
trans-1,2-Dichloroethene	<1.9		1.9	0.84	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
trans-1,3-Dichloropropene	<1.9		1.9	0.67	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Trichloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Vinyl chloride	<1.9		1.9	0.84	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1
Xylenes, Total	<3.8		3.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/28/20 17:20*	*02/05/20 16:44*	*1*
4-Bromofluorobenzene (Surr)	*106*		*75 - 131*	*01/28/20 17:20*	*02/05/20 16:44*	*1*
Dibromofluoromethane	*94*		*75 - 126*	*01/28/20 17:20*	*02/05/20 16:44*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*01/28/20 17:20*	*02/05/20 16:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1

Client Sample ID: VL55-1(0-2)-012820
Lab Sample ID: 500-177008-1
Date Collected: 01/28/20 08:20
Matrix: Solid
Date Received: 01/28/20 12:50
Percent Solids: 80.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	94	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2-Methylphenol	<210		210	66	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Acenaphthene	<41		41	7.4	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Anthracene	<41		41	6.9	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Benzo[a]anthracene	**15**	**J**	41	5.6	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Benzo[a]pyrene	**27**	**J**	41	8.0	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Benzo[b]fluoranthene	**36**	**J**	41	8.9	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Benzo[g,h,i]perylene	**24**	**J**	41	13	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Carbazole	<210		210	100	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Chrysene	**23**	**J**	41	11	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Dibenzofuran	<210		210	48	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Fluoranthene	**56**		41	7.7	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Fluorene	<41		41	5.8	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Hexachloroethane	<210		210	63	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1

Client Sample ID: VL55-1(0-2)-012820
Date Collected: 01/28/20 08:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-1
Matrix: Solid
Percent Solids: 80.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Isophorone	<210		210	46	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Naphthalene	<41		41	6.4	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Nitrobenzene	<41		41	10	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
N-Nitrosodi-n-propylamine	<83		83	50	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
N-Nitrosodiphenylamine	<210	*	210	49	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Phenanthrene	**9.8**	**J**	41	5.8	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Phenol	<210		210	92	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1
Pyrene	**27**	**J**	41	8.2	ug/Kg	☼	02/04/20 18:12	02/06/20 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*31 - 143*	*02/04/20 18:12*	*02/06/20 15:08*	*1*
2-Fluorobiphenyl	*87*		*43 - 145*	*02/04/20 18:12*	*02/06/20 15:08*	*1*
2-Fluorophenol	*90*		*31 - 166*	*02/04/20 18:12*	*02/06/20 15:08*	*1*
Nitrobenzene-d5	*81*		*37 - 147*	*02/04/20 18:12*	*02/06/20 15:08*	*1*
Phenol-d5	*74*		*30 - 153*	*02/04/20 18:12*	*02/06/20 15:08*	*1*
Terphenyl-d14	*138*		*42 - 157*	*02/04/20 18:12*	*02/06/20 15:08*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:36	02/10/20 10:09	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 10:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 10:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 10:09	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:09	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:09	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:09	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 10:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 10:09	1
Manganese	**0.089**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:09	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:09	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 10:09	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:09	1
Zinc	**0.23**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 10:09	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.029**	**J**	0.050	0.010	mg/L		02/08/20 16:30	02/10/20 09:52	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:52	1
Beryllium	**0.0046**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:52	1
Chromium	**0.10**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:52	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:52	1
Copper	**0.097**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:52	1
Iron	**88**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:52	1
Lead	**0.050**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:52	1
Manganese	**0.31**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:52	1
Nickel	**0.089**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:52	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:52	1

Client Sample ID: VL55-1(0-2)-012820

Date Collected: 01/28/20 08:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-1

Matrix: Solid
Percent Solids: 80.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:52	1
Zinc	**0.68**	**B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:52	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.1**	**J F1**	1.2	0.24	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Arsenic	**6.8**		0.61	0.21	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Barium	**89**	**F1**	0.61	0.070	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Beryllium	**1.2**	**F1**	0.24	0.057	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Cadmium	**0.17**	**B F1**	0.12	0.022	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Calcium	**17000**	**B**	12	2.1	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Chromium	**27**		0.61	0.30	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Cobalt	**13**		0.31	0.080	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Copper	**23**		0.61	0.17	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Iron	**23000**		12	6.4	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Lead	**15**	**F1**	0.31	0.14	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Magnesium	**15000**		6.1	3.0	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Manganese	**460**	**B**	0.61	0.089	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Nickel	**38**		0.61	0.18	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Potassium	**3800**		31	11	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Selenium	**0.49**	**J F1**	0.61	0.36	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Silver	**3.7**	**F1**	0.31	0.079	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Sodium	**320**	**F1**	61	9.0	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Thallium	<0.61	F1	0.61	0.30	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Vanadium	**35**		0.31	0.072	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	1
Zinc	**72**	**F1**	1.2	0.54	mg/Kg	☼	02/03/20 07:16	02/04/20 03:33	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		02/13/20 10:55	02/14/20 08:41	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.50	F1	0.50	0.50	ug/L		02/13/20 16:40	02/14/20 09:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**49**	**F1**	20	6.6	ug/Kg	☼	02/13/20 16:05	02/14/20 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			02/04/20 16:03	1

Client Sample ID: VL55-2(0-2)-012820

Date Collected: 01/28/20 08:25
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-2

Matrix: Solid
Percent Solids: 81.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
1,1,2-Trichloroethane	<1.9		1.9	0.80	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
1,1-Dichloroethane	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
1,1-Dichloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
1,2-Dichloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
1,2-Dichloropropane	<1.9		1.9	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
1,3-Dichloropropene, Total	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Acetone	<19		19	8.1	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Benzene	<1.9		1.9	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Bromoform	<1.9		1.9	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Bromomethane	<4.6		4.6	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Carbon disulfide	<4.6		4.6	0.97	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Carbon tetrachloride	<1.9		1.9	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Chlorobenzene	<1.9		1.9	0.69	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Chloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Chloroform	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Chloromethane	<4.6	*	4.6	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
cis-1,2-Dichloroethene	<1.9		1.9	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
cis-1,3-Dichloropropene	<1.9		1.9	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Ethylbenzene	<1.9		1.9	0.89	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Methyl Ethyl Ketone	<4.6		4.6	2.1	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
methyl isobutyl ketone	<4.6		4.6	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Methyl tert-butyl ether	<1.9		1.9	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Methylene Chloride	<4.6		4.6	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Styrene	<1.9		1.9	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Tetrachloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
trans-1,2-Dichloroethene	<1.9		1.9	0.82	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
trans-1,3-Dichloropropene	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Trichloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Vinyl chloride	<1.9		1.9	0.82	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1
Xylenes, Total	<3.7		3.7	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*	*01/28/20 17:20*	*02/05/20 17:09*	*1*
4-Bromofluorobenzene (Surr)	*104*		*75 - 131*	*01/28/20 17:20*	*02/05/20 17:09*	*1*
Dibromofluoromethane	*93*		*75 - 126*	*01/28/20 17:20*	*02/05/20 17:09*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*01/28/20 17:20*	*02/05/20 17:09*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1

Client Sample ID: VL55-2(0-2)-012820
Date Collected: 01/28/20 08:25
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-2
Matrix: Solid
Percent Solids: 81.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2-Methylphenol	<200		200	64	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Anthracene	<40		40	6.7	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Benzo[a]anthracene	**35**	**J**	40	5.4	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Benzo[a]pyrene	**51**		40	7.7	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Benzo[b]fluoranthene	**64**		40	8.6	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Benzo[g,h,i]perylene	**41**		40	13	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Benzo[k]fluoranthene	**13**	**J**	40	12	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Carbazole	<200		200	100	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Chrysene	**43**		40	11	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Fluoranthene	**85**		40	7.4	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Fluorene	<40		40	5.6	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1

Client Sample ID: VL55-2(0-2)-012820

Date Collected: 01/28/20 08:25
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-2

Matrix: Solid
Percent Solids: 81.6

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	**31**	**J**	40	10	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Isophorone	<200		200	45	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Naphthalene	<40		40	6.1	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
N-Nitrosodi-n-propylamine	<80		80	49	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
N-Nitrosodiphenylamine	<200	*	200	47	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Phenanthrene	**28**	**J**	40	5.6	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Phenol	<200		200	88	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1
Pyrene	**63**		40	7.9	ug/Kg	☼	02/04/20 18:12	02/06/20 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*119*		*31 - 143*	*02/04/20 18:12*	*02/06/20 15:36*	*1*
2-Fluorobiphenyl	*97*		*43 - 145*	*02/04/20 18:12*	*02/06/20 15:36*	*1*
2-Fluorophenol	*104*		*31 - 166*	*02/04/20 18:12*	*02/06/20 15:36*	*1*
Nitrobenzene-d5	*92*		*37 - 147*	*02/04/20 18:12*	*02/06/20 15:36*	*1*
Phenol-d5	*82*		*30 - 153*	*02/04/20 18:12*	*02/06/20 15:36*	*1*
Terphenyl-d14	*149*		*42 - 157*	*02/04/20 18:12*	*02/06/20 15:36*	*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		02/08/20 16:36	02/10/20 10:14	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 10:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 10:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 10:14	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:14	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:14	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:14	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 10:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 10:14	1
Manganese	**0.11**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:14	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:14	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 10:14	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:14	1
Zinc	**0.062**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 10:14	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		02/08/20 16:30	02/10/20 09:56	1
Barium	**0.86**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:56	1
Beryllium	**0.012**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:56	1
Chromium	**0.23**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:56	1
Cobalt	**0.064**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:56	1
Copper	**0.27**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:56	1
Iron	**240**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:56	1
Lead	**0.15**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:56	1
Manganese	**1.1**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:56	1
Nickel	**0.26**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:56	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:56	1

Client Sample ID: VL55-2(0-2)-012820

Date Collected: 01/28/20 08:25
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-2

Matrix: Solid
Percent Solids: 81.6

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:56	1
Zinc	**0.80**	**B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.74**	**J**	1.2	0.24	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Arsenic	**6.3**		0.60	0.21	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Barium	**63**		0.60	0.069	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Beryllium	**0.91**		0.24	0.056	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Cadmium	**0.23**	**B**	0.12	0.022	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Calcium	**34000**	**B**	12	2.0	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Chromium	**20**		0.60	0.30	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Cobalt	**13**		0.30	0.079	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Copper	**22**		0.60	0.17	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Iron	**18000**		12	6.3	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Lead	**24**		0.30	0.14	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Magnesium	**21000**		6.0	3.0	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Manganese	**460**	**B**	0.60	0.088	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Nickel	**30**		0.60	0.18	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Potassium	**3000**		30	11	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Selenium	**0.52**	**J**	0.60	0.36	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Silver	**3.0**		0.30	0.078	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Sodium	**1100**		60	8.9	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Vanadium	**27**		0.30	0.071	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	1
Zinc	**76**		1.2	0.53	mg/Kg	☼	02/03/20 07:16	02/04/20 04:06	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		02/13/20 10:55	02/14/20 08:43	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		02/13/20 16:40	02/14/20 09:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		19	6.5	ug/Kg	☼	02/13/20 16:05	02/14/20 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**		0.2	0.2	SU			02/04/20 16:05	1

Client Sample ID: VL55-3(0-3)-012820

Date Collected: 01/28/20 08:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-3

Matrix: Solid
Percent Solids: 80.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
1,1,2-Trichloroethane	<1.8		1.8	0.78	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
1,1-Dichloroethane	**0.66**	**J**	1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
1,1-Dichloroethene	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
1,3-Dichloropropene, Total	<1.8		1.8	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Acetone	**32**		18	7.9	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Carbon disulfide	<4.5		4.5	0.94	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Carbon tetrachloride	<1.8		1.8	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Chlorobenzene	<1.8		1.8	0.67	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Chloromethane	<4.5	*	4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Ethylbenzene	<1.8		1.8	0.87	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Methyl Ethyl Ketone	**3.6**	**J**	4.5	2.0	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
trans-1,2-Dichloroethene	<1.8		1.8	0.81	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
trans-1,3-Dichloropropene	<1.8		1.8	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Vinyl chloride	<1.8		1.8	0.80	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	01/28/20 17:20	02/05/20 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*01/28/20 17:20*	*02/05/20 17:35*	*1*
4-Bromofluorobenzene (Surr)	*106*		*75 - 131*	*01/28/20 17:20*	*02/05/20 17:35*	*1*
Dibromofluoromethane	*89*		*75 - 126*	*01/28/20 17:20*	*02/05/20 17:35*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*01/28/20 17:20*	*02/05/20 17:35*	*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	☼	02/04/20 18:12	02/06/20 16:04	1
1,2-Dichlorobenzene	<200		200	49	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1

Client Sample ID: VL55-3(0-3)-012820
Lab Sample ID: 500-177008-3
Date Collected: 01/28/20 08:40
Matrix: Solid
Date Received: 01/28/20 12:50
Percent Solids: 80.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	93	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2,4-Dichlorophenol	<400		400	97	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2,4-Dinitrotoluene	<200		200	65	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2-Chlorophenol	<200		200	70	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2-Methylnaphthalene	<82		82	7.5	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2-Methylphenol	<200		200	65	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
4-Bromophenyl phenyl ether	<200		200	54	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
4-Chlorophenyl phenyl ether	<200		200	48	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Acenaphthylene	<40		40	5.4	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Anthracene	<40		40	6.8	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Benzo[a]anthracene	<40		40	5.5	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Benzo[a]pyrene	<40		40	7.9	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Benzo[b]fluoranthene	<40		40	8.8	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Bis(2-chloroethoxy)methane	<200		200	42	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Butyl benzyl phthalate	<200		200	78	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Carbazole	<200		200	100	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Chrysene	<40		40	11	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Dibenz(a,h)anthracene	<40		40	7.9	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Dibenzofuran	<200		200	48	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Fluoranthene	<40		40	7.6	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Fluorene	<40		40	5.7	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Hexachloroethane	<200		200	62	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1

Client Sample ID: VL55-3(0-3)-012820
Date Collected: 01/28/20 08:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-3
Matrix: Solid
Percent Solids: 80.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	11	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Isophorone	<200		200	46	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Naphthalene	<40		40	6.3	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
N-Nitrosodi-n-propylamine	<82		82	50	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
N-Nitrosodiphenylamine	<200	*	200	48	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Phenanthrene	<40		40	5.7	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Phenol	<200		200	91	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1
Pyrene	<40		40	8.1	ug/Kg	☼	02/04/20 18:12	02/06/20 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*120*		*31 - 143*	*02/04/20 18:12*	*02/06/20 16:04*	*1*
2-Fluorobiphenyl	*89*		*43 - 145*	*02/04/20 18:12*	*02/06/20 16:04*	*1*
2-Fluorophenol	*91*		*31 - 166*	*02/04/20 18:12*	*02/06/20 16:04*	*1*
Nitrobenzene-d5	*81*		*37 - 147*	*02/04/20 18:12*	*02/06/20 16:04*	*1*
Phenol-d5	*74*		*30 - 153*	*02/04/20 18:12*	*02/06/20 16:04*	*1*
Terphenyl-d14	*139*		*42 - 157*	*02/04/20 18:12*	*02/06/20 16:04*	*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		02/08/20 16:36	02/10/20 10:19	1
Barium	**0.56**		0.50	0.050	mg/L		02/08/20 16:36	02/10/20 10:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 10:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 10:19	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:19	1
Cobalt	**0.020**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:19	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:19	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 10:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 10:19	1
Manganese	**6.0**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:19	1
Nickel	**0.030**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:19	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 10:19	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:19	1
Zinc	**0.25**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 10:19	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.10**		0.050	0.010	mg/L		02/08/20 16:30	02/10/20 10:04	1
Barium	**1.1**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 10:04	1
Beryllium	**0.014**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 10:04	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 10:04	1
Chromium	**0.26**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:04	1
Cobalt	**0.096**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:04	1
Copper	**0.33**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:04	1
Iron	**290**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 10:04	1
Lead	**0.16**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 10:04	1
Manganese	**2.2**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:04	1
Nickel	**0.36**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:04	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 10:04	1

Client Sample ID: VL55-3(0-3)-012820

Date Collected: 01/28/20 08:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177008-3

Matrix: Solid
Percent Solids: 80.0

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 10:04	1
Zinc	**1.0**	**B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 10:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.0**	**J**	1.2	0.23	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Arsenic	**8.5**		0.60	0.21	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Barium	**70**		0.60	0.068	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Beryllium	**1.1**		0.24	0.056	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Cadmium	**0.20**	**B**	0.12	0.022	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Calcium	**25000**	**B**	12	2.0	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Chromium	**23**		0.60	0.30	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Cobalt	**14**		0.30	0.079	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Copper	**28**		0.60	0.17	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Iron	**23000**		12	6.2	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Lead	**18**		0.30	0.14	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Magnesium	**20000**		6.0	3.0	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Manganese	**450**	**B**	0.60	0.087	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Nickel	**40**		0.60	0.17	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Potassium	**3200**		30	11	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Selenium	**0.35**	**J**	0.60	0.35	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Silver	**3.7**		0.30	0.077	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Sodium	**3300**		60	8.9	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Vanadium	**30**		0.30	0.071	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	1
Zinc	**74**		1.2	0.53	mg/Kg	☼	02/03/20 07:16	02/04/20 04:10	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		02/13/20 10:55	02/14/20 08:44	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.56**		0.50	0.50	ug/L		02/13/20 16:40	02/14/20 09:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**		19	6.5	ug/Kg	☼	02/13/20 16:05	02/14/20 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			02/04/20 16:08	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177008-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street. University Park. IL 604
Phone: 708.534.5200 Fax: 708.534.5

500-177008 COC

(optional)
Report To
Contact: Andrus Sieseus
Company: Weston Solutions, Inc.
Address: 300 Plaza Circle. Ste.
Address: 202. Mandelein, IL
Phone: 224-864-7201
Fax:
E-Mail: Andrus.Sieseus@westonsolutions.com

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-177008
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 2.9

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max Dehio
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		VL55-1(0-2)-012820	1/28/20	0820	6	S	x	x	x	x	x					
2		VL55-2(0-2)-012820		0825	6											
3		VL55-3(0-3)-012820		0840	6											
4		CT-1(0-2)-012820		0845	6											
5		CR-2(0-5)-012820		0910	6											
6		CR-2(0-5)-012820D		0910	6											
7		CR-2(5-9)-012820		0915	6											
8		CR-1(0-5)-012820		0930	6											
9		CR-1(5-9)-012820		0940	6											
		~~CB43-1(0-2)-012820~~		~~0945~~	~~6~~											RW 1/28

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
[signature]	Weston Sol.	1/28/20	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	Shiri Scott	TA-CHI	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

TestAmerica
THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.5

500-177008 COC

(optional)
Report To
Contact: Andris Siesevs
Company: Weston Solutions, Inc.
Address: 300 Plaza Circle, Ste.
Address: 202, Mandelein, IL
Phone: 224-864-7201
Fax:
E-Mail: Andris.Siesevs@westonsolutions.com

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-177008
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 2.9

Client: Weston Solutions, Inc.
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max Dehro
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		VL55-1(0-2)-012820	1/28/20	0820	6	S	x	x	x	x	x					
2		VL55-2(0-2)-012820		0825	6											
3		VL55-3(0-3)-012820		0840	6											
4		CT-1(0-2)-012820		0845	6											
5		CR-2(0-5)-012820		0910	6											
6		CR-2(0-5)-012820D		0910	6											
7		CR-2(5-9)-012820		0915	6											
8		CR-1(0-5)-012820		0930	6											
9		CR-1(5-9)-012820		0940	6											
		~~CB43-1(0-2)-012820~~		~~0945~~	~~6~~											RW 1/28

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
[signature]	Weston Sol.	1/28/20	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	Shiri Scott	TA-CHI	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

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 #: 500-177008

Chain of Custody Number:

Page ____ of ____

Temperature °C of Cooler:

(optional) Report To	(optional) Bill To
Contact: Andris Siesers	Contact: SAME
Company: Weston Solutions, Inc.	Company:
Address: 300 Plaza Circle Ste 202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax:	Fax:
E-Mail: Andris.Siesers@westonsolutions.com	PO#/Reference#:

Client	Client Project #
Weston Solutions, Inc	02056.016.008
Project Name: IDOT Grayslake, IL	
Project Location/State: Grayslake, IL	Lab Project #:
Sampler: Max Dekio	Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
		~~SQ-1(0-5)-012820~~	~~1/28/20~~	~~0950~~	~~6~~	~~5~~	~~x~~	~~x~~	~~x~~	~~x~~	~~x~~					RW 1/28

1/28/20

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
[signature]	Weston Sol.	1/28/20	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	[signature]	TA CRT	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-177004-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/15/2020 5:45:26 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: VM-5(0-4)-012720
Date Collected: 01/27/20 15:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-10
Matrix: Solid
Percent Solids: 84.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.52	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,2-Dichloropropane	<1.6		1.6	0.40	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Acetone	**43**		16	6.8	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Carbon tetrachloride	<1.6		1.6	0.45	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Ethylbenzene	<1.6		1.6	0.75	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Toluene	<1.6		1.6	0.39	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
trans-1,2-Dichloroethene	<1.6		1.6	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*	*01/28/20 17:20*	*02/06/20 15:44*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*01/28/20 17:20*	*02/06/20 15:44*	*1*
Dibromofluoromethane	*109*		*75 - 126*	*01/28/20 17:20*	*02/06/20 15:44*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/28/20 17:20*	*02/06/20 15:44*	*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	☼	02/03/20 18:06	02/04/20 20:38	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,2'-oxybis[1-chloropropane]	<200	F1	200	45	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177004-1

Client Sample ID: VM-5(0-4)-012720
Date Collected: 01/27/20 15:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-10
Matrix: Solid
Percent Solids: 84.8

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	☼	02/03/20 18:06	02/04/20 20:38	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
3-Nitroaniline	<390	F1	390	120	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Nitrophenol	<790	F1	790	370	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Acenaphthene	**37**	**J**	39	7.0	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Acenaphthylene	**40**		39	5.2	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Anthracene	**45**		39	6.5	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Benzo[a]anthracene	**25**	**J**	39	5.3	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Benzo[a]pyrene	**41**		39	7.6	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Benzo[b]fluoranthene	**54**		39	8.4	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Benzo[g,h,i]perylene	**26**	**J F1**	39	13	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Benzo[k]fluoranthene	**12**	**J**	39	12	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Carbazole	<200	F1	200	98	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Chrysene	**40**		39	11	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Dibenz(a,h)anthracene	**10**	**J**	39	7.6	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Di-n-butyl phthalate	**74**	**J**	200	60	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Fluoranthene	**77**		39	7.2	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Fluorene	<39		39	5.5	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Hexachloroethane	<200		200	59	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177004-1

Client Sample ID: VM-5(0-4)-012720
Date Collected: 01/27/20 15:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-10
Matrix: Solid
Percent Solids: 84.8

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	**22**	**J F1**	39	10	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Isophorone	<200		200	44	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Naphthalene	<39		39	6.0	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
N-Nitrosodiphenylamine	<200	F1	200	46	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Phenanthrene	**35**	**J**	39	5.4	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Phenol	<200		200	87	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Pyrene	**60**		39	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*31 - 143*	*02/03/20 18:06*	*02/04/20 20:38*	*1*
2-Fluorobiphenyl	*77*		*43 - 145*	*02/03/20 18:06*	*02/04/20 20:38*	*1*
2-Fluorophenol	*96*		*31 - 166*	*02/03/20 18:06*	*02/04/20 20:38*	*1*
Nitrobenzene-d5	*93*		*37 - 147*	*02/03/20 18:06*	*02/04/20 20:38*	*1*
Phenol-d5	*81*		*30 - 153*	*02/03/20 18:06*	*02/04/20 20:38*	*1*
Terphenyl-d14	*119*		*42 - 157*	*02/03/20 18:06*	*02/04/20 20:38*	*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		02/08/20 16:36	02/10/20 10:05	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 10:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 10:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 10:05	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 10:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 10:05	1
Manganese	**0.55**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 10:05	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Zinc	**0.088**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 10:05	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.057**		0.050	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Barium	**0.52**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:48	1
Beryllium	**0.0064**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:48	1
Chromium	**0.14**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Cobalt	**0.039**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Copper	**0.17**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Iron	**130**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:48	1
Lead	**0.080**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:48	1
Manganese	**0.55**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Nickel	**0.14**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:48	1

Client Sample ID: VM-5(0-4)-012720

Date Collected: 01/27/20 15:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-10

Matrix: Solid
Percent Solids: 84.8

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Zinc	**0.56**	**B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:48	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.68**	**J**	1.1	0.21	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Arsenic	**6.7**		0.54	0.18	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Barium	**39**		0.54	0.061	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Beryllium	**0.71**		0.21	0.050	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Cadmium	**0.19**		0.11	0.019	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Calcium	**70000**	**B**	110	18	mg/Kg	☼	02/03/20 07:15	02/04/20 14:10	10
Chromium	**26**		0.54	0.27	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Cobalt	**6.3**		0.27	0.070	mg/Kg	☼	02/03/20 07:15	02/04/20 14:06	1
Copper	**21**		0.54	0.15	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Iron	**16000**		11	5.6	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Lead	**10**		0.27	0.12	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Magnesium	**30000**		5.4	2.7	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Manganese	**440**		0.54	0.078	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Nickel	**35**		0.54	0.16	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Potassium	**2500**		27	9.5	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Selenium	**0.46**	**J**	0.54	0.32	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Silver	**2.4**		0.27	0.069	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Sodium	**390**		54	8.0	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Vanadium	**23**		0.27	0.063	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Zinc	**53**		1.1	0.47	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	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		02/13/20 10:55	02/14/20 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		02/13/20 16:40	02/14/20 09:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	17	5.7	ug/Kg	☼	02/13/20 16:05	02/14/20 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			02/03/20 16:54	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177004-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
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
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-177004 COC

(optional)
Report To
Contact: Andris Siesen
Company: Weston Solutions, Inc.
Address: 300 Plaza Circle, Ste. 202
Address: Mandeleine, IL 60060
Phone: 224-864-7201
Fax:
E-Mail: Andris.Siesen@WestonSolutions.com

(optional)
Bill To
Contact: Same
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-177004

Chain of Custody Number:

Page ___ of ___

Temperature °C of Cooler: 4,3,5,8,5,2,5,3

Client: Weston Solutions, Inc
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max Denio
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4. Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		WM-6(0-4)-012720	1/27/20	1350	5	S	X	X	X	X	X					
2		HI-1(0-4)-012720		1400	5											
3		HI-2(0-3)-012720		1410	5											
4		HI-3(0-6)-012720		1420	5											
5		VM-1(0-4)-012720		1435	5											
6		VM-2(0-4)-012720		1450	5											
7		VM-3(0-6)-012720		1500	5											
8		VM-4(0-4)-012720		1525	5											
9		VM-4(4-8)-012720		1535	5											
10		VM-5(0-4)-012720		1540	5											

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
[signature]	Weston Sol.	1/27/20	1730	[signature]	Weston	1/27/2020	1730
[signature]	Weston	1/28/2020	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	Shin Scott	TA-CHI	1/28/20	1250

Lab Courier: [signature]
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):

Residence and Vacant Land - 32146-32170 N. IL 83 (ISGS Site No. 3079V2-56)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.33038 (Decimal Degrees) Longitude: - 88.02909 (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 542

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: FAP 866 - IL 83 at IL 137 Latitude: 42.33038 Longitude: - 88.02909

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 R56-1 AND R56-2 WERE SAMPLED ALONG THE RESIDENCE ROW. SEE FIGURE 3-5, AND TABLE 4-1 OF THE 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: 500-177001-1. ALSO SEE FIGURE 4-5 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Residence and Vacant Land (ISGS Site No. 3079V-56)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	R56-1	R56-2
Sample Date		1/27/2020	1/27/2020
Field Sample ID		R56-1(0-4)-012720	R56-2(0-5)-012720
ISGS Site No.		3079V-56	3079V-56
Laboratory pH	<6.25, >9.0	8.0	8.6
VOCs		**No Exceedances**	
SVOCs (mg/kg)			
2,4,5-Trichlorophenol	26	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND
2,4-Dichlorophenol	1	ND	ND
2-Methylnaphthalene	---	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND
Acenaphthene	570	ND	ND
Acenaphthylene	---	ND	0.053
Anthracene	12000	ND	0.021 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	ND	0.052
Benzo(a)pyrene	0.09 / 1.3 / 2.1	ND	0.11
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	ND	0.12
Benzo(g,h,i)perylene	---	ND	0.11
Benzo(k)fluoranthene	9	ND	0.036 J
bis(2-Ethylhexyl)phthalate	46	ND	ND
Butyl benzyl phthalate	930	ND	ND
Carbazole	0.6	ND	ND
Chrysene	88	ND	0.077
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND
Dibenzofuran	---	ND	ND
Di-N-Butyl phthalate	2300	ND	ND
Fluoranthene	3100	ND	0.099
Fluorene	560	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	0.084
Naphthalene	1.8	ND	ND
Pentachlorophenol	0.03	ND	ND
Phenanthrene	---	ND	0.021 J
Pyrene	2300	ND	0.085
Pesticides (mg/kg)			
4,4-DDD	3	---	---
4,4-DDE	2	---	---
Dieldrin	0.603	---	---
PCBs (mg/kg)			
Aroclor-1248	1	---	---
Total Inorganics (mg/kg)			
Aluminum, Total	---	ND	ND
Antimony, Total	5	0.33 J	0.49 J
Arsenic, Total	11.3 / 13.0	4.8	6.5
Barium, Total	1500	28	37
Beryllium, Total	22	0.46	0.81
Cadmium, Total	5.2	0.21 J	0.18 J
Calcium, Total	---	90000 B	70000 B
Chromium, Total	21	9.3	17
Cobalt, Total	20	12	12
Copper, Total	2900	14	24
Cyanide, Total	0.2	---	---
Iron, Total	15000 / 15900	15000 B	16000
Lead, Total	107	11	13
Magnesium, Total	325000	47000 B	27000
Manganese, Total	630 / 636	550	390
Mercury, Total	0.89	0.0073 J	0.013 J
Nickel, Total	100	24	32
Potassium, Total	---	1700	3500
Selenium, Total	1.3	ND	ND
Silver, Total	4.4	2.1	3.4
Sodium, Total	---	900	1000
Thallium, Total	2.6	0.29 J	ND
Vanadium, Total	550	15	25
Zinc, Total	5100	34	54

Summary Table of Residence and Vacant Land (ISGS Site No. 3079V-56)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	R56-1	R56-2
Sample Date		1/27/2020	1/27/2020
Field Sample ID		R56-1(0-4)-012720	R56-2(0-5)-012720
ISGS Site No.		3079V-56	3079V-56
TCLP Metals (mg/l)			
Arsenic, TCLP	0.05	ND	ND
Barium, TCLP	2	0.35 J	0.34 J
Beryllium, TCLP	0.004	ND	ND
Cadmium, TCLP	0.005	ND	ND
Chromium, TCLP	0.1	ND	ND
Cobalt, TCLP	1	ND	ND
Copper, TCLP	0.65	0.012 J	ND
Iron, TCLP	5	ND	ND
Lead, TCLP	0.0075	ND	ND
Manganese, TCLP	0.15	1.3	0.052
Mercury, TCLP	0.002	ND	ND
Nickel, TCLP	0.1	0.019 J	ND
Selenium, TCLP	0.05	ND	ND
Silver, TCLP	0.05	ND	ND
Thallium, TCLP	0.002	ND	ND
Zinc, TCLP	5	0.34 J	0.14 J
SPLP Metals (mg/l)			
Arsenic, SPLP	0.05	0.027 J	0.031 J
Barium, SPLP	2	0.21 J	0.26 J
Beryllium, SPLP	0.004	ND	ND
Cadmium, SPLP	0.005	ND	ND
Chromium, SPLP	0.1	0.087	0.086
Cobalt, SPLP	1	0.028	0.025
Copper, SPLP	0.65	0.12	0.12
Iron, SPLP	5	89	89
Lead, SPLP	0.0075	0.038	0.068
Manganese, SPLP	0.15	0.48	0.56
Mercury, SPLP	0.002	ND	0.0011
Nickel, SPLP	0.1	0.098	0.086
Selenium, SPLP	0.05	ND	ND
Silver, SPLP	0.05	ND	ND
Thallium, SPLP	0.002	ND	ND
Zinc, SPLP	5	0.26 J	0.34 J

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-177001-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/17/2020 2:12:57 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: R56-1(0-4)-012720

Date Collected: 01/27/20 09:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-6

Matrix: Solid
Percent Solids: 85.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Acetone	**14**	**J**	15	6.5	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Carbon disulfide	<3.7		3.7	0.78	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Chloroethane	<3.7		3.7	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Methyl Ethyl Ketone	<3.7		3.7	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*	*01/28/20 17:20*	*02/05/20 14:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/28/20 17:20*	*02/05/20 14:09*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*01/28/20 17:20*	*02/05/20 14:09*	*1*
Toluene-d8 (Surr)	*88*		*75 - 124*	*01/28/20 17:20*	*02/05/20 14:09*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177001-1

Client Sample ID: R56-1(0-4)-012720
Date Collected: 01/27/20 09:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-6
Matrix: Solid
Percent Solids: 85.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2-Methylphenol	<190		190	62	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Anthracene	<38		38	6.5	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Carbazole	<190		190	96	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Chrysene	<38		38	11	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Dibenzofuran	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Fluorene	<38		38	5.4	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Hexachloroethane	<190		190	59	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1

Client Sample ID: R56-1(0-4)-012720

Date Collected: 01/27/20 09:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-6

Matrix: Solid
Percent Solids: 85.6

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	<38		38	10	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Isophorone	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Naphthalene	<38		38	5.9	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Phenol	<190		190	86	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1
Pyrene	<38		38	7.7	ug/Kg	☼	02/05/20 07:34	02/05/20 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*120*		*31 - 143*	*02/05/20 07:34*	*02/05/20 21:32*	*1*
2-Fluorobiphenyl	*94*		*43 - 145*	*02/05/20 07:34*	*02/05/20 21:32*	*1*
2-Fluorophenol	*98*		*31 - 166*	*02/05/20 07:34*	*02/05/20 21:32*	*1*
Nitrobenzene-d5	*89*		*37 - 147*	*02/05/20 07:34*	*02/05/20 21:32*	*1*
Phenol-d5	*76*		*30 - 153*	*02/05/20 07:34*	*02/05/20 21:32*	*1*
Terphenyl-d14	*142*		*42 - 157*	*02/05/20 07:34*	*02/05/20 21:32*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:33	02/10/20 11:34	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 11:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 11:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 11:34	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:34	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 14:38	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:34	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 11:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 11:34	1
Manganese	**1.3**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:34	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 14:38	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 11:34	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:34	1
Zinc	**0.34**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 11:34	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.027**	**J**	0.050	0.010	mg/L		02/07/20 14:27	02/10/20 09:21	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		02/07/20 14:27	02/10/20 09:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 09:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 09:21	1
Chromium	**0.087**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:21	1
Cobalt	**0.028**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:21	1
Copper	**0.12**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:21	1
Iron	**89**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 09:21	1
Lead	**0.038**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 09:21	1
Manganese	**0.48**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:21	1
Nickel	**0.098**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:21	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 09:21	1

Client Sample ID: R56-1(0-4)-012720

Date Collected: 01/27/20 09:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-6

Matrix: Solid
Percent Solids: 85.6

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:21	1
Zinc	**0.26**	**J**	0.50	0.020	mg/L		02/07/20 14:27	02/10/20 09:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.33**	**J**	1.1	0.21	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Arsenic	**4.8**		0.54	0.18	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Barium	**28**		0.54	0.062	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Beryllium	**0.46**		0.22	0.050	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Cadmium	**0.21**	**B**	0.11	0.019	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Calcium	**90000**	**B**	110	18	mg/Kg	☼	01/31/20 06:53	02/04/20 02:53	10
Chromium	**9.3**		0.54	0.27	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Cobalt	**12**		0.27	0.071	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Copper	**14**		0.54	0.15	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Iron	**15000**	**B**	110	56	mg/Kg	☼	01/31/20 06:53	02/04/20 02:53	10
Lead	**11**		0.27	0.12	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Magnesium	**47000**	**B**	54	27	mg/Kg	☼	01/31/20 06:53	02/04/20 02:53	10
Manganese	**550**		0.54	0.078	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Nickel	**24**		0.54	0.16	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Potassium	**1700**		27	9.6	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Silver	**2.1**		0.27	0.070	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Sodium	**900**		54	8.0	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Thallium	**0.29**	**J**	0.54	0.27	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Vanadium	**15**		0.27	0.064	mg/Kg	☼	01/31/20 06:53	02/01/20 03:45	1
Zinc	**34**		1.1	0.47	mg/Kg	☼	01/31/20 06:53	02/04/20 02:49	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		02/13/20 16:40	02/14/20 12:10	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		02/13/20 16:40	02/17/20 10:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.3**	**J**	18	6.1	ug/Kg	☼	02/14/20 15:25	02/15/20 10:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			01/31/20 21:12	1

Client Sample ID: R56-2(0-5)-012720

Date Collected: 01/27/20 09:50
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-7

Matrix: Solid
Percent Solids: 85.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
1,1-Dichloroethane	<1.5		1.5	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Acetone	**13**	**J**	15	6.7	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Bromomethane	<3.8		3.8	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Carbon disulfide	<3.8		3.8	0.80	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Carbon tetrachloride	<1.5		1.5	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Chlorobenzene	<1.5		1.5	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 134*	*01/28/20 17:20*	*02/05/20 14:35*	*1*
4-Bromofluorobenzene (Surr)	*103*		*75 - 131*	*01/28/20 17:20*	*02/05/20 14:35*	*1*
Dibromofluoromethane	*105*		*75 - 126*	*01/28/20 17:20*	*02/05/20 14:35*	*1*
Toluene-d8 (Surr)	*87*		*75 - 124*	*01/28/20 17:20*	*02/05/20 14:35*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1

Client Sample ID: R56-2(0-5)-012720
Date Collected: 01/27/20 09:50
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-7
Matrix: Solid
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2-Methylphenol	<190		190	60	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Acenaphthylene	**53**		37	4.9	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Anthracene	**21**	**J**	37	6.2	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Benzo[a]anthracene	**52**		37	5.0	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Benzo[a]pyrene	**110**		37	7.2	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Benzo[b]fluoranthene	**120**		37	8.0	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Benzo[g,h,i]perylene	**110**		37	12	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Benzo[k]fluoranthene	**36**	**J**	37	11	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Carbazole	<190		190	93	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Chrysene	**77**		37	10	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Dibenzofuran	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Fluoranthene	**99**		37	6.9	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Fluorene	<37		37	5.2	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Hexachloroethane	<190		190	56	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1

Client Sample ID: R56-2(0-5)-012720
Date Collected: 01/27/20 09:50
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-7
Matrix: Solid
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**84**		37	9.6	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Isophorone	<190		190	42	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Naphthalene	<37		37	5.7	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Phenanthrene	**21**	**J**	37	5.2	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Phenol	<190		190	83	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1
Pyrene	**85**		37	7.4	ug/Kg	☼	02/05/20 07:34	02/05/20 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*31 - 143*	*02/05/20 07:34*	*02/05/20 22:00*	*1*
2-Fluorobiphenyl	*81*		*43 - 145*	*02/05/20 07:34*	*02/05/20 22:00*	*1*
2-Fluorophenol	*89*		*31 - 166*	*02/05/20 07:34*	*02/05/20 22:00*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*02/05/20 07:34*	*02/05/20 22:00*	*1*
Phenol-d5	*70*		*30 - 153*	*02/05/20 07:34*	*02/05/20 22:00*	*1*
Terphenyl-d14	*125*		*42 - 157*	*02/05/20 07:34*	*02/05/20 22:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:33	02/10/20 11:38	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 11:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 11:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 11:38	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:38	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 14:43	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:38	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 11:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 11:38	1
Manganese	**0.052**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:38	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 14:43	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 11:38	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:38	1
Zinc	**0.14**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 11:38	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.031**	**J**	0.050	0.010	mg/L		02/07/20 14:27	02/10/20 09:25	1
Barium	**0.26**	**J**	0.50	0.050	mg/L		02/07/20 14:27	02/10/20 09:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 09:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 09:25	1
Chromium	**0.086**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:25	1
Cobalt	**0.025**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:25	1
Copper	**0.12**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:25	1
Iron	**89**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 09:25	1
Lead	**0.068**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 09:25	1
Manganese	**0.56**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:25	1
Nickel	**0.086**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:25	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 09:25	1

Client Sample ID: R56-2(0-5)-012720

Date Collected: 01/27/20 09:50
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-7

Matrix: Solid
Percent Solids: 85.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:25	1
Zinc	**0.34**	**J**	0.50	0.020	mg/L		02/07/20 14:27	02/10/20 09:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.49**	**J**	1.1	0.21	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Arsenic	**6.5**		0.55	0.19	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Barium	**37**		0.55	0.063	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Beryllium	**0.81**		0.22	0.052	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Cadmium	**0.18**	**B**	0.11	0.020	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Calcium	**70000**	**B**	110	19	mg/Kg	☼	01/31/20 06:53	02/04/20 03:02	10
Chromium	**17**		0.55	0.27	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Cobalt	**12**		0.28	0.072	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Copper	**24**		0.55	0.15	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Iron	**16000**		11	5.7	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Lead	**13**		0.28	0.13	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Magnesium	**27000**		5.5	2.7	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Manganese	**390**		0.55	0.080	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Nickel	**32**		0.55	0.16	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Potassium	**3500**		28	9.8	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Silver	**3.4**		0.28	0.071	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Sodium	**1000**		55	8.2	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Vanadium	**25**		0.28	0.065	mg/Kg	☼	01/31/20 06:53	02/01/20 03:49	1
Zinc	**54**		1.1	0.48	mg/Kg	☼	01/31/20 06:53	02/04/20 02:58	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		02/13/20 16:40	02/14/20 12:11	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.1**		1.0	1.0	ug/L		02/13/20 16:40	02/17/20 11:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**13**	**J**	18	6.1	ug/Kg	☼	02/14/20 15:25	02/15/20 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.6**		0.2	0.2	SU			01/31/20 21:14	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177001-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-177001 COC

Chain of Custody Record

Lab Job #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 4.3, 5.8, 5.2, 5

Report To (optional)		Bill To (optional)	
Contact:	Andris Siesers	Contact:	Same
Company:	Weston Solutions, Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Naperville, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Siesers@WestonSolutions.com	PO#/Reference#:	

Client	Client Project #
Weston Solutions, Inc.	
Project Name	
IDOT Grayslake, IL	
Project Location/State	**Lab Project #**
Grayslake, IL	02056.016.009
Sampler	**Lab PM**
Alex Deno	Edwards Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	BH					Comments
1		LM-1(0-2)-012720	1/27/20	0841	6	S		x	x	x	x	x					
2		CB51-1(0-3)-012720		0850	6												
3		F54-1(0-2)-012720		0900	6												
4		F54-2(0-6)-012720		0910	6												
5		F54-2(0-6)-012720D		0910	6												
6		R56-1(0-4)-012720		0940	6												
7		R56-2(0-5)-012720		0950	6												
8		A1-1(0-4)-012720		1005	6												
9		A1-2(0-4)-012720		1020	6												
10		VL60-3(0-2)-012720		1045	6												

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
	Westonsol.	1/27/20	1730		Weston	1/27/2020	1730
	Weston	1/28/2020	1115		TA	1/28/20	1115
	TA	1/28/20	1250		TA-CAL	1/28/20	1250

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments

Lab Comments:

TAL-4124-500(1209)

2/17/2020

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 #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: Andris Siesens	Contact: Same
Company: Weston Solutions, Inc.	Company:
Address: 300 Pierce Circle. Ste 202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax: —	Fax:
E-Mail: Andris.Siesens@WestonSolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions, Inc.	02056.016.009
Project Name: IDOT Grayslake	
Project Location/State: Grayslake, IL	Lab Project #
Sampler: Alex Demo	Lab PM: Richard Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
11		VL60-4(0-5)-012720	1/27/20	1100	6	S	x	x	x	x	x					
12		VL60-4(0-5)-012720D		1100	6											
13		VL60-5(0-3)-012720		1115	6											
14		VL60-6(0-2)-012720		1125	6											
15		WM-3(0-4)-012720		1230	6											
16		WM-1(0-2)-012720		1240	6											
17		WM-2(0-2)-012720		1255	6											
18		WM-4(0-4)-012720		1300	5											
19		WM-4(0-4)-012720D		1300	5											
20		WM-5(0-4)-012720		1335	5											

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston Sol.	1/27/20	1730	[signature]	Weston	1/27/2020	1730
[signature]	Weston	1/28/2020	1135	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	[signature]	TA	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Vulcan Materials - 875 S. IL 83 (ISGS Site No. 3079V2-57)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.32982 (Decimal Degrees) Longitude: - 88.02894 (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 10,783

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: FAP 866 - IL 83 at IL 137 Latitude: 42.32982 Longitude: - 88.02894

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 VM-2 THROUGH VM-12 WERE SAMPLED ALONG THE RESIDENCE ROW. SEE FIGURES 3-3 AND 3-5, AND TABLE 4-1 OF THE 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 REPORTS - JOB IDs: 500-177004-1 AND 500-195716-1. ALSO SEE FIGURES 4-3 AND 4-5 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Vulcan Materials (ISGS Site No. 3079V-57)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VM-2	VM-2	VM-2	VM-3	VM-3	VM-4	VM-4	VM-5	VM-6	VM-7	VM-8
Sample Date		1/27/2020	8/18/2022	8/18/2022	1/27/2020	8/18/2022	1/27/2020	1/27/2020	1/27/2020	3/5/2021	3/5/2021	3/5/2021
Field Sample ID		VM-2(0-4)-012720	VM-2(4-8)-081822	VM-2(8-13)-081822	VM-3(0-6)-012720	VM-3(6-13)-081822	VM-4(0-4)-012720	VM-4(4-8)-012720	VM-5(0-4)-012720	VM-6(0-4)-030521	VM-7(0-6)-030521	VM-8(0-5)-030521
ISGS Site No.		3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57
Laboratory pH	<6.25, >9.0	7.7	9.0	8.2	8.0	8.3	7.6	7.6	8.3	7.7	7.9	8.0
VOCs		**No Exceedances**										
SVOCs (mg/kg)												
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015 J
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	0.043 J	ND	ND	ND	ND	ND	ND	0.037 J	ND	ND	0.04
Acenaphthylene	---	0.047	ND	ND	ND	ND	ND	ND	0.04	ND	ND	ND
Anthracene	12000	0.053	ND	ND	0.043	ND	ND	ND	0.045	ND	ND	0.011 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.046	0.0054 J	ND	ND	ND	ND	ND	0.025 J	ND	0.016 J	0.022 J
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.072	0.0088 J	ND	ND	ND	ND	ND	0.041	ND	0.026 J	0.043
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.094	0.011 J	ND	ND	ND	ND	ND	0.054	ND	0.031 J	0.052
Benzo(g,h,i)perylene	---	0.036 J	ND	ND	ND	ND	ND	ND	0.026 J	ND	0.013 J	0.021 J
Benzo(k)fluoranthene	9	0.033 J	ND	ND	ND	ND	ND	ND	0.012 J	ND	ND	0.014 J
bis(2-Ethylhexyl)phthalate	46	0.082 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	0.061	ND	0.017 J	ND	0.014 J	ND	ND	0.04	ND	0.025 J	0.039
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	0.01 J	ND	ND	ND	ND	ND	ND	0.01 J	ND	ND	ND
Dibenzofuran	---	0.076 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	0.084 J	ND	ND	0.076 J	ND	ND	0.076 J	0.074 J	ND	ND	ND
Fluoranthene	3100	0.12	0.036 J	0.032 J	0.019 J	0.032 J	0.019 J	0.013 J	0.077	ND	0.039	0.064
Fluorene	560	0.014 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.058
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.03 J	ND	ND	ND	ND	ND	ND	0.022 J	ND	0.014 J	0.018 J
Naphthalene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.057	ND	0.021 J	0.012 J	0.0082 J	ND	ND	0.035 J	ND	0.019 J	0.11
Pyrene	2300	0.089	0.0081 J	0.0095 J	0.032 J	ND	0.035 J	0.032 J	0.06	ND	0.04	0.067
Pesticides (mg/kg)												
4,4-DDD	3	---	---	---	---	---	---	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---	---	---	---	---	---	---
PCBs (mg/kg)												
Aroclor-1248	1	---	---	---	---	---	---	---	---	---	---	---

Summary Table of Vulcan Materials (ISGS Site No. 3079V-57)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VM-2	VM-2	VM-2	VM-3	VM-3	VM-4	VM-4	VM-5	VM-6	VM-7	VM-8
Sample Date		1/27/2020	8/18/2022	8/18/2022	1/27/2020	8/18/2022	1/27/2020	1/27/2020	1/27/2020	3/5/2021	3/5/2021	3/5/2021
Field Sample ID		VM-2(0-4)-012720	VM-2(4-8)-081822	VM-2(8-13)-081822	VM-3(0-6)-012720	VM-3(6-13)-081822	VM-4(0-4)-012720	VM-4(4-8)-012720	VM-5(0-4)-012720	VM-6(0-4)-030521	VM-7(0-6)-030521	VM-8(0-5)-030521
ISGS Site No.		3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57
Total Inorganics (mg/kg)												
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	1 J	0.48 J	0.24 J	0.65 J	0.23 J	0.84 J	0.79 J	0.68 J	0.71 J	1 J	0.83 J
Arsenic, Total	11.3 / 13.0	8.9	7	4.8	6.3	4.9	6.6	6	6.7	5.7	9.2	4.6
Barium, Total	1500	78	33	42	45	52	51	53	39	120	56	38
Beryllium, Total	22	1	0.63	0.71	0.81	0.74	0.83	0.75	0.71	1.1	0.93	0.7
Cadmium, Total	5.2	0.24	ND	ND	0.2	ND	0.2	0.24	0.19	ND	0.15 J	0.15 J
Calcium, Total	---	4500 B	71000	73000	68000 B	70000	34000 B	70000 B	70000 B	3700 B	65000	90000
Chromium, Total	21	21	12	15	18	16	18	16	26	22	18	15
Cobalt, Total	20	13	11	9.9	11	14	11	9.9	6.3	12	14	10
Copper, Total	2900	29	22	23	20	22	21	17	21	19	26	19
Cyanide, Total	0.2	---	---	---	---	---	---	---	---	---	---	---
Iron, Total	15000 / 15900	24000	17000	16000	18000	17000	18000	17000	16000	23000	22000	21000
Lead, Total	107	27	12 J	11	14	10	15	10	10	17	16	10
Magnesium, Total	325000	4600	31000	32000	29000	31000	22000	30000	30000	4300	27000	48000
Manganese, Total	630 / 636	590	480	360	470	480	330	270	440	380	420	400
Mercury, Total	0.89	0.042	0.024	0.017 J	0.021	0.016 J	0.024	0.017 J	0.016 J	0.038	0.027	0.018
Nickel, Total	100	34	26	27	27	34	29	25	35	27	33	26
Potassium, Total	---	2200	2000 J	2800 B	2800	3100 B	2400	1600	2500	1800	2600	2700
Selenium, Total	1.3	0.45 J	ND	ND	0.41 J	0.34 J	0.51 J	0.63	0.46 J	ND	ND	ND
Silver, Total	4.4	3.5	0.24 J	0.22 J	2.7	0.24 J	2.8	2.6	2.4	0.49	0.3	0.26 J
Sodium, Total	---	450	1000	460	210	210	200	160	390	310 B	410 B	180 B
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47 J	0.41 J
Vanadium, Total	550	32	15	18	25	19	23	24	23	33	25	20
Zinc, Total	5100	100	63 J	51	61	51	57	47	53	72	64	45
TCLP Metals (mg/l)												
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.27 J	0.33 J	0.42 J	0.34 J	0.44 J	0.52	0.41 J	0.42 J	0.25 J	0.51	0.51
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	0.0054	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	0.093	0.024 J	ND	0.01 J	0.019 J	ND	ND	0.016 J	0.016 J	0.01 J
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	0.4	11	2.1	0.03	1.9	7.5	1.8	0.55	4.1	6.1	3.5
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	0.1	0.061	ND	0.023 J	0.015 J	ND	ND	ND	0.017 J	0.016 J
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	0.028 J	0.051 J	ND	ND	0.17 J	0.3 J	ND	ND	ND	ND

Summary Table of Vulcan Materials (ISGS Site No. 3079V-57)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VM-2	VM-2	VM-2	VM-3	VM-3	VM-4	VM-4	VM-5	VM-6	VM-7	VM-8
Sample Date		1/27/2020	8/18/2022	8/18/2022	1/27/2020	8/18/2022	1/27/2020	1/27/2020	1/27/2020	3/5/2021	3/5/2021	3/5/2021
Field Sample ID		VM-2(0-4)-012720	VM-2(4-8)-081822	VM-2(8-13)-081822	VM-3(0-6)-012720	VM-3(6-13)-081822	VM-4(0-4)-012720	VM-4(4-8)-012720	VM-5(0-4)-012720	VM-6(0-4)-030521	VM-7(0-6)-030521	VM-8(0-5)-030521
ISGS Site No.		3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57
SPLP Metals (mg/l)												
Arsenic, SPLP	0.05	0.05	0.1	0.013 J	0.025 J	0.028 J	ND	ND	0.057	0.015 J	0.031 J	ND
Barium, SPLP	2	0.65	0.52	0.31 J	0.21 J	0.33 J	0.061 J	0.14 J	0.52	0.66	0.35 J	0.053 J
Beryllium, SPLP	0.004	0.0066	0.0087	0.0052	ND	0.0047	ND	ND	0.0064	0.0059	0.0054	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.15	0.16	0.12	0.069	0.1	0.016 J	0.014 J	0.14	0.13	0.1	0.014 J
Cobalt, SPLP	1	0.028	0.081	0.047	0.02 J	0.029	ND	ND	0.039	0.035	0.044	ND
Copper, SPLP	0.65	0.17	0.3	0.097	0.085	0.12	0.017 J	0.016 J	0.17	0.12	0.13	0.013 J
Iron, SPLP	5	150	210	76	68	90	14	8.9	130	120	110	10
Lead, SPLP	0.0075	0.084	0.11	0.032	0.045	0.035	0.015	0.0089	0.08	0.059	0.064	0.0089
Manganese, SPLP	0.15	0.76	1.6	0.71	0.31	0.53	0.067	0.048	0.55	1.2	1	0.12
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.14	0.27	0.12	0.074	0.1	0.014 J	0.012 J	0.14	0.1	0.13	0.013 J
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.94 B	0.77	0.17 J	ND	0.21 J	ND	ND	0.56 B	0.31 J	0.25 J	0.024 J

Summary Table of Vulcan Materials (ISGS Site No. 3079V-57)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VM-8	VM-9	VM-10	VM-11	VM-11	VM-12	VM-12	VM-13
Sample Date		3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021
Field Sample ID		VM-8(5-10)-030521	VM-9(0-5)-030521	VM-10(0-6)-030521	VM-11(0-5)-030521	VM-11(5-10)-030521	VM-12(0-6)-030521	VM-12(0-6)-030521D	VM-13(0-5)-030521
ISGS Site No.		3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57
Laboratory pH	<6.25, >9.0	8.0	7.7 J	9.0	8.0	8.0	7.8	7.8	8.1
VOCs		**No Exceedances**							
SVOCs (mg/kg)									
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	0.0066 J	ND	0.011 J	ND	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.0065 J	ND	0.053	0.011 J	0.041	ND	0.0054 J	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	ND	ND	0.099	0.015 J	0.055	ND	0.0091 J	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.012 J	ND	0.13 J	0.019 J	0.067	ND	0.0089 J	ND
Benzo(g,h,i)perylene	---	ND	ND	0.053 J	0.014 J	0.034 J	ND	ND	ND
Benzo(k)fluoranthene	9	ND	ND	0.054	ND	0.024 J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	ND	ND	0.08	0.014 J	0.057	ND	ND	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	0.01 J	ND	0.0074 J	ND	ND	ND
Dibenzofuran	---	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.012 J	ND	0.12	0.022 J	0.11	ND	0.0088 J	0.0081 J
Fluorene	560	ND	ND	ND	ND	0.0077 J	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	ND	0.051 J	0.011 J	0.031 J	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.0062 J	ND	0.039	0.013 J	0.069	ND	0.0056 J	0.0078 J
Pyrene	2300	0.011 J	ND	0.1 J	0.022 J	0.087	ND	0.01 J	0.0095 J
Pesticides (mg/kg)									
4,4-DDD	3	---	---	---	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---	---	---	---
PCBs (mg/kg)									
Aroclor-1248	1	---	---	---	---	---	---	---	---

Summary Table of Vulcan Materials (ISGS Site No. 3079V-57)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VM-8	VM-9	VM-10	VM-11	VM-11	VM-12	VM-12	VM-13
Sample Date		3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021
Field Sample ID		VM-8(5-10)-030521	VM-9(0-5)-030521	VM-10(0-6)-030521	VM-11(0-5)-030521	VM-11(5-10)-030521	VM-12(0-6)-030521	VM-12(0-6)-030521D	VM-13(0-5)-030521
ISGS Site No.		3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57
Total Inorganics (mg/kg)									
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	1 J	0.67 J	0.33 J	0.93 J	0.86 J	0.65 J	0.99 J	0.61 J
Arsenic, Total	11.3 / 13.0	7.1	7.7	3	6.2	5.3	6.7	9.1	6.3
Barium, Total	1500	54	72	8.8	42	52	63	59	47
Beryllium, Total	22	0.9	0.95	0.17 J	0.7	0.73	0.93	0.88	0.74
Cadmium, Total	5.2	0.16 J	0.14 J	ND	0.16 J	0.19 J	0.15 J	0.18 J	ND
Calcium, Total	---	31000 B	31000 B	130000	85000	73000	69000	74000	80000
Chromium, Total	21	19	20	4.1	15	15	19	18	16
Cobalt, Total	20	14	14	2.2	11	10	12	14	13
Copper, Total	2900	24	25	10	19	20	25	23	22
Cyanide, Total	0.2	---	---	---	---	---	---	---	---
Iron, Total	15000 / 15900	21000	22000	7500	23000	17000	20000	20000	18000
Lead, Total	107	17	14	4.9	11	13	14	13	12
Magnesium, Total	325000	20000	21000	67000	47000	31000	31000	30000	34000
Manganese, Total	630 / 636	450	360	190	460	430	410	440	560
Mercury, Total	0.89	0.028	0.032	ND	0.019	0.017 J	0.03	0.02	0.02
Nickel, Total	100	35	36	5.6	24	26	31	31	30
Potassium, Total	---	2500	2700	430	2300	2100	3000	2600	2600
Selenium, Total	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Silver, Total	4.4	0.4	0.4	ND	0.23 J	0.25 J	0.34	0.35	0.3
Sodium, Total	---	140 B	1600 B	140 B	160 B	270 B	190 B	180 B	150 B
Thallium, Total	2.6	0.38 J	0.49 J	ND	0.49 J	0.29 J	0.44 J	0.49 J	0.78
Vanadium, Total	550	25	26	7.3	21	22	26	24	21
Zinc, Total	5100	62	65	22	52	60	60	60	57
TCLP Metals (mg/l)									
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.49 J	0.5	0.13 J	0.44 J	0.52	0.47 J	0.46 J	0.41 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.032	0.015 J	ND	0.023 J	0.011 J	0.012 J	ND	ND
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	9.7	5.9	0.98	5.5	4	4.4	3.4	2.1
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.036	0.025	0.016 J	0.026	0.013 J	0.017 J	0.015 J	0.015 J
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.02 J	ND	ND	ND	ND	ND	ND	ND

Summary Table of Vulcan Materials (ISGS Site No. 3079V-57)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VM-8	VM-9	VM-10	VM-11	VM-11	VM-12	VM-12	VM-13
Sample Date		3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021	3/5/2021
Field Sample ID		VM-8(5-10)-030521	VM-9(0-5)-030521	VM-10(0-6)-030521	VM-11(0-5)-030521	VM-11(5-10)-030521	VM-12(0-6)-030521	VM-12(0-6)-030521D	VM-13(0-5)-030521
ISGS Site No.		3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57	3079V-57
SPLP Metals (mg/l)									
Arsenic, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Barium, SPLP	2	ND	0.093 J	ND	0.15 J	ND	ND	ND	0.083 J
Beryllium, SPLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	ND	0.023 J	ND	0.044	ND	ND	ND	0.023 J
Cobalt, SPLP	1	ND	ND	ND	0.019 J	ND	ND	ND	ND
Copper, SPLP	0.65	ND	0.017 J	ND	0.055	ND	ND	ND	0.021 J
Iron, SPLP	5	0.25 J	17	ND	43	1.4	2.4	3	19
Lead, SPLP	0.0075	ND	0.01	ND	0.025	ND	ND	ND	0.013
Manganese, SPLP	0.15	0.013 J	0.15	ND	0.41	0.055	0.028	0.038	0.14
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	ND	0.021 J	ND	0.05	ND	ND	ND	0.021 J
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	ND	0.043 J	ND	0.11 J	ND	ND	ND	0.045 J

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-177004-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/15/2020 5:45:26 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: VM-2(0-4)-012720

Date Collected: 01/27/20 14:50
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-6

Matrix: Solid
Percent Solids: 74.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.5		2.5	0.83	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
1,1,2,2-Tetrachloroethane	<2.5		2.5	0.79	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
1,1,2-Trichloroethane	<2.5		2.5	1.1	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
1,1-Dichloroethane	<2.5		2.5	0.85	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
1,1-Dichloroethene	<2.5		2.5	0.85	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
1,2-Dichloroethane	<6.2		6.2	1.9	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
1,2-Dichloropropane	<2.5		2.5	0.64	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
1,3-Dichloropropene, Total	<2.5		2.5	0.87	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
2-Hexanone	<6.2		6.2	1.9	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Acetone	**17**	**J**	25	11	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Benzene	<2.5		2.5	0.63	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Bromodichloromethane	<2.5		2.5	0.50	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Bromoform	<2.5		2.5	0.72	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Bromomethane	<6.2		6.2	2.3	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Carbon disulfide	<6.2		6.2	1.3	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Carbon tetrachloride	<2.5		2.5	0.72	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Chlorobenzene	<2.5		2.5	0.92	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Chloroethane	<6.2		6.2	1.8	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Chloroform	<2.5		2.5	0.86	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Chloromethane	<6.2		6.2	2.5	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
cis-1,2-Dichloroethene	<2.5		2.5	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
cis-1,3-Dichloropropene	<2.5		2.5	0.75	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Dibromochloromethane	<2.5		2.5	0.81	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Ethylbenzene	<2.5		2.5	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Methyl Ethyl Ketone	<6.2		6.2	2.8	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
methyl isobutyl ketone	<6.2		6.2	1.8	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Methyl tert-butyl ether	<2.5		2.5	0.73	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Methylene Chloride	<6.2		6.2	2.4	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Styrene	<2.5		2.5	0.75	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Tetrachloroethene	<2.5		2.5	0.84	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Toluene	<2.5		2.5	0.63	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
trans-1,2-Dichloroethene	<2.5		2.5	1.1	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
trans-1,3-Dichloropropene	<2.5		2.5	0.87	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Trichloroethene	<2.5		2.5	0.84	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Vinyl chloride	<2.5		2.5	1.1	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1
Xylenes, Total	<5.0		5.0	0.79	ug/Kg	☼	01/28/20 17:20	02/06/20 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*	*01/28/20 17:20*	*02/06/20 14:10*	*1*
4-Bromofluorobenzene (Surr)	*104*		*75 - 131*	*01/28/20 17:20*	*02/06/20 14:10*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*01/28/20 17:20*	*02/06/20 14:10*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*	*01/28/20 17:20*	*02/06/20 14:10*	*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	☼	02/03/20 18:06	02/04/20 18:38	1
1,2-Dichlorobenzene	<220		220	53	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
1,3-Dichlorobenzene	<220		220	50	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
1,4-Dichlorobenzene	<220		220	57	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2,2'-oxybis[1-chloropropane]	<220		220	51	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1

Client Sample ID: VM-2(0-4)-012720
Date Collected: 01/27/20 14:50
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-6
Matrix: Solid
Percent Solids: 74.8

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	☼	02/03/20 18:06	02/04/20 18:38	1
2,4,6-Trichlorophenol	<440		440	150	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2,4-Dichlorophenol	<440		440	110	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2,4-Dimethylphenol	<440		440	170	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2,4-Dinitrophenol	<890		890	780	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2,4-Dinitrotoluene	<220		220	70	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2,6-Dinitrotoluene	<220		220	87	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2-Chloronaphthalene	<220		220	49	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2-Chlorophenol	<220		220	76	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2-Methylnaphthalene	<89		89	8.2	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2-Methylphenol	<220		220	71	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2-Nitroaniline	<220		220	60	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
2-Nitrophenol	<440		440	100	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
3 & 4 Methylphenol	<220		220	74	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
3,3'-Dichlorobenzidine	<220		220	62	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
3-Nitroaniline	<440		440	140	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
4,6-Dinitro-2-methylphenol	<890		890	360	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
4-Bromophenyl phenyl ether	<220		220	58	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
4-Chloro-3-methylphenol	<440		440	150	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
4-Chloroaniline	<890		890	210	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
4-Chlorophenyl phenyl ether	<220		220	52	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
4-Nitroaniline	<440		440	190	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
4-Nitrophenol	<890		890	420	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Acenaphthene	**43**	**J**	44	8.0	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Acenaphthylene	**47**		44	5.8	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Anthracene	**53**		44	7.4	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Benzo[a]anthracene	**46**		44	6.0	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Benzo[a]pyrene	**72**		44	8.6	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Benzo[b]fluoranthene	**94**		44	9.6	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Benzo[g,h,i]perylene	**36**	**J**	44	14	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Benzo[k]fluoranthene	**33**	**J**	44	13	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Bis(2-chloroethoxy)methane	<220		220	45	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Bis(2-chloroethyl)ether	<220		220	66	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Bis(2-ethylhexyl) phthalate	**82**	**J**	220	81	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Butyl benzyl phthalate	<220		220	84	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Carbazole	<220		220	110	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Chrysene	**61**		44	12	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Dibenz(a,h)anthracene	**10**	**J**	44	8.6	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Dibenzofuran	**76**	**J**	220	52	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Diethyl phthalate	<220		220	75	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Dimethyl phthalate	<220		220	58	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Di-n-butyl phthalate	**84**	**J**	220	68	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Di-n-octyl phthalate	<220		220	72	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Fluoranthene	**120**		44	8.2	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Fluorene	**14**	**J**	44	6.2	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Hexachlorobenzene	<89		89	10	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Hexachlorobutadiene	<220		220	70	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Hexachlorocyclopentadiene	<890		890	250	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Hexachloroethane	<220		220	67	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1

Client Sample ID: VM-2(0-4)-012720

Date Collected: 01/27/20 14:50
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-6

Matrix: Solid
Percent Solids: 74.8

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	**30**	**J**	44	11	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Isophorone	<220		220	50	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Naphthalene	<44		44	6.8	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Nitrobenzene	<44		44	11	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
N-Nitrosodi-n-propylamine	<89		89	54	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
N-Nitrosodiphenylamine	<220		220	52	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Pentachlorophenol	<890		890	710	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Phenanthrene	**57**		44	6.2	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Phenol	<220		220	98	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1
Pyrene	**89**		44	8.8	ug/Kg	☼	02/03/20 18:06	02/04/20 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*31 - 143*	*02/03/20 18:06*	*02/04/20 18:38*	*1*
2-Fluorobiphenyl	*90*		*43 - 145*	*02/03/20 18:06*	*02/04/20 18:38*	*1*
2-Fluorophenol	*107*		*31 - 166*	*02/03/20 18:06*	*02/04/20 18:38*	*1*
Nitrobenzene-d5	*117*		*37 - 147*	*02/03/20 18:06*	*02/04/20 18:38*	*1*
Phenol-d5	*96*		*30 - 153*	*02/03/20 18:06*	*02/04/20 18:38*	*1*
Terphenyl-d14	*123*		*42 - 157*	*02/03/20 18:06*	*02/04/20 18:38*	*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		02/08/20 16:36	02/10/20 09:37	1
Barium	**0.27**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 09:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 09:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 09:37	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:37	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:37	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:37	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 09:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 09:37	1
Manganese	**0.40**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:37	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:37	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 09:37	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:37	1
Zinc	**0.053**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 09:37	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		02/08/20 16:30	02/10/20 09:24	1
Barium	**0.65**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:24	1
Beryllium	**0.0066**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:24	1
Chromium	**0.15**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:24	1
Cobalt	**0.028**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:24	1
Copper	**0.17**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:24	1
Iron	**150**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:24	1
Lead	**0.084**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:24	1
Manganese	**0.76**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:24	1
Nickel	**0.14**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:24	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:24	1

Client Sample ID: VM-2(0-4)-012720

Date Collected: 01/27/20 14:50
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-6

Matrix: Solid
Percent Solids: 74.8

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:24	1
Zinc	**0.94**	**B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.0**	**J**	1.2	0.24	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Arsenic	**8.9**		0.62	0.21	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Barium	**78**		0.62	0.071	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Beryllium	**1.0**		0.25	0.058	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Cadmium	**0.24**		0.12	0.022	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Calcium	**4500**	**B**	12	2.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Chromium	**21**		0.62	0.31	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Cobalt	**13**		0.31	0.081	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Copper	**29**		0.62	0.17	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Iron	**24000**		12	6.5	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Lead	**27**		0.31	0.14	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Magnesium	**4600**		6.2	3.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Manganese	**590**		0.62	0.090	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Nickel	**34**		0.62	0.18	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Potassium	**2200**		31	11	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Selenium	**0.45**	**J**	0.62	0.37	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Silver	**3.5**		0.31	0.080	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Sodium	**450**		62	9.2	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Vanadium	**32**		0.31	0.073	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	1
Zinc	**100**		1.2	0.55	mg/Kg	☼	02/03/20 07:15	02/03/20 23:43	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		02/13/20 10:55	02/14/20 08:26	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		02/13/20 16:40	02/14/20 09:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**42**		21	7.1	ug/Kg	☼	02/13/20 16:05	02/14/20 08:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			02/03/20 16:42	1

Client Sample ID: VM-3(0-6)-012720

Date Collected: 01/27/20 15:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-7

Matrix: Solid
Percent Solids: 81.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
1,1,2-Trichloroethane	<1.8		1.8	0.77	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
1,3-Dichloropropene, Total	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Acetone	**50**		18	7.8	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Carbon disulfide	<4.5		4.5	0.94	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Chlorobenzene	<1.8		1.8	0.66	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Ethylbenzene	<1.8		1.8	0.86	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Methyl Ethyl Ketone	<4.5		4.5	2.0	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Tetrachloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
trans-1,2-Dichloroethene	<1.8		1.8	0.80	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Vinyl chloride	<1.8		1.8	0.80	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	01/28/20 17:20	02/06/20 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/28/20 17:20*	*02/06/20 14:36*	*1*
4-Bromofluorobenzene (Surr)	*107*		*75 - 131*	*01/28/20 17:20*	*02/06/20 14:36*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*01/28/20 17:20*	*02/06/20 14:36*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*01/28/20 17:20*	*02/06/20 14:36*	*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	☼	02/03/20 18:06	02/04/20 19:08	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1

Client Sample ID: VM-3(0-6)-012720
Date Collected: 01/27/20 15:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-7
Matrix: Solid
Percent Solids: 81.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2-Methylnaphthalene	<82		82	7.4	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2-Methylphenol	<200		200	65	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
4-Nitrophenol	<820		820	380	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Anthracene	**43**		40	6.8	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Carbazole	<200		200	100	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Chrysene	<40		40	11	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Di-n-butyl phthalate	**76**	**J**	200	62	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Fluoranthene	**19**	**J**	40	7.5	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Fluorene	<40		40	5.7	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1

Client Sample ID: VM-3(0-6)-012720

Date Collected: 01/27/20 15:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-7

Matrix: Solid
Percent Solids: 81.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Isophorone	<200		200	45	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
N-Nitrosodi-n-propylamine	<82		82	49	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Phenanthrene	**12**	**J**	40	5.6	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Phenol	<200		200	90	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1
Pyrene	**32**	**J**	40	8.0	ug/Kg	☼	02/03/20 18:06	02/04/20 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*31 - 143*	*02/03/20 18:06*	*02/04/20 19:08*	*1*
2-Fluorobiphenyl	*96*		*43 - 145*	*02/03/20 18:06*	*02/04/20 19:08*	*1*
2-Fluorophenol	*109*		*31 - 166*	*02/03/20 18:06*	*02/04/20 19:08*	*1*
Nitrobenzene-d5	*118*		*37 - 147*	*02/03/20 18:06*	*02/04/20 19:08*	*1*
Phenol-d5	*101*		*30 - 153*	*02/03/20 18:06*	*02/04/20 19:08*	*1*
Terphenyl-d14	*121*		*42 - 157*	*02/03/20 18:06*	*02/04/20 19:08*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:36	02/10/20 09:42	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 09:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 09:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 09:42	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:42	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:42	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:42	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 09:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 09:42	1
Manganese	**0.030**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:42	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:42	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 09:42	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:42	1
Zinc	**0.047**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 09:42	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.025**	**J**	0.050	0.010	mg/L		02/08/20 16:30	02/10/20 09:28	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:28	1
Chromium	**0.069**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:28	1
Cobalt	**0.020**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:28	1
Copper	**0.085**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:28	1
Iron	**68**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:28	1
Lead	**0.045**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:28	1
Manganese	**0.31**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:28	1
Nickel	**0.074**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:28	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:28	1

Client Sample ID: VM-3(0-6)-012720

Date Collected: 01/27/20 15:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-7

Matrix: Solid
Percent Solids: 81.4

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:28	1
Zinc	**0.31**	**J B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.65**	**J**	1.2	0.23	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Arsenic	**6.3**		0.60	0.21	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Barium	**45**		0.60	0.068	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Beryllium	**0.81**		0.24	0.056	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Cadmium	**0.20**		0.12	0.022	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Calcium	**68000**	**B**	120	20	mg/Kg	☼	02/03/20 07:15	02/04/20 13:45	10
Chromium	**18**		0.60	0.30	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Cobalt	**11**		0.30	0.079	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Copper	**20**		0.60	0.17	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Iron	**18000**		12	6.2	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Lead	**14**		0.30	0.14	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Magnesium	**29000**		6.0	3.0	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Manganese	**470**		0.60	0.087	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Nickel	**27**		0.60	0.17	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Potassium	**2800**		30	11	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Selenium	**0.41**	**J**	0.60	0.35	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Silver	**2.7**		0.30	0.077	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Sodium	**210**		60	8.9	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Vanadium	**25**		0.30	0.071	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	1
Zinc	**61**		1.2	0.53	mg/Kg	☼	02/03/20 07:15	02/03/20 23:47	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		02/13/20 10:55	02/14/20 08:31	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		02/13/20 16:40	02/14/20 09:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		19	6.3	ug/Kg	☼	02/13/20 16:05	02/14/20 08:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			02/03/20 16:45	1

Client Sample ID: VM-4(0-4)-012720

Date Collected: 01/27/20 15:25
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-8

Matrix: Solid
Percent Solids: 80.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
1,1,2-Trichloroethane	<1.8		1.8	0.76	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
1,3-Dichloropropene, Total	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Acetone	**58**		18	7.7	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Carbon disulfide	<4.4		4.4	0.92	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Chloroethane	<4.4		4.4	1.3	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Ethylbenzene	<1.8		1.8	0.85	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Methyl Ethyl Ketone	<4.4		4.4	2.0	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
trans-1,2-Dichloroethene	<1.8		1.8	0.79	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
trans-1,3-Dichloropropene	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Vinyl chloride	<1.8		1.8	0.79	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1
Xylenes, Total	<3.5		3.5	0.57	ug/Kg	☼	01/28/20 17:20	02/06/20 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*01/28/20 17:20*	*02/06/20 15:01*	*1*
4-Bromofluorobenzene (Surr)	*103*		*75 - 131*	*01/28/20 17:20*	*02/06/20 15:01*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*01/28/20 17:20*	*02/06/20 15:01*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/28/20 17:20*	*02/06/20 15:01*	*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	☼	02/03/20 18:06	02/04/20 19:38	1
1,2-Dichlorobenzene	<200		200	49	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177004-1

Client Sample ID: VM-4(0-4)-012720
Date Collected: 01/27/20 15:25
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-8
Matrix: Solid
Percent Solids: 80.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	93	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2,4-Dinitrotoluene	<200		200	65	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2-Methylnaphthalene	<82		82	7.5	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2-Methylphenol	<200		200	65	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
4-Bromophenyl phenyl ether	<200		200	54	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Acenaphthylene	<40		40	5.4	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Anthracene	<40		40	6.8	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Benzo[a]anthracene	<40		40	5.5	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Benzo[a]pyrene	<40		40	7.9	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Benzo[b]fluoranthene	<40		40	8.8	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Carbazole	<200		200	100	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Chrysene	<40		40	11	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Dibenzofuran	<200		200	48	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Fluoranthene	**19**	**J**	40	7.5	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Fluorene	<40		40	5.7	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Hexachloroethane	<200		200	62	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1

Client Sample ID: VM-4(0-4)-012720
Date Collected: 01/27/20 15:25
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-8
Matrix: Solid
Percent Solids: 80.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	11	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Isophorone	<200		200	46	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
N-Nitrosodi-n-propylamine	<82		82	50	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Phenanthrene	<40		40	5.7	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Phenol	<200		200	90	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1
Pyrene	**35**	**J**	40	8.1	ug/Kg	☼	02/03/20 18:06	02/04/20 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*31 - 143*	*02/03/20 18:06*	*02/04/20 19:38*	*1*
2-Fluorobiphenyl	*78*		*43 - 145*	*02/03/20 18:06*	*02/04/20 19:38*	*1*
2-Fluorophenol	*96*		*31 - 166*	*02/03/20 18:06*	*02/04/20 19:38*	*1*
Nitrobenzene-d5	*90*		*37 - 147*	*02/03/20 18:06*	*02/04/20 19:38*	*1*
Phenol-d5	*85*		*30 - 153*	*02/03/20 18:06*	*02/04/20 19:38*	*1*
Terphenyl-d14	*123*		*42 - 157*	*02/03/20 18:06*	*02/04/20 19:38*	*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		02/08/20 16:36	02/10/20 09:47	1
Barium	**0.52**		0.50	0.050	mg/L		02/08/20 16:36	02/10/20 09:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 09:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 09:47	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:47	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:47	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:47	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 09:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 09:47	1
Manganese	**7.5**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:47	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:47	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 09:47	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:47	1
Zinc	**0.17**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 09:47	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:30	02/10/20 09:32	1
Barium	**0.061**	**J**	0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:32	1
Chromium	**0.016**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:32	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:32	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:32	1
Iron	**14**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:32	1
Lead	**0.015**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:32	1
Manganese	**0.067**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:32	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:32	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:32	1

Client Sample ID: VM-4(0-4)-012720

Date Collected: 01/27/20 15:25
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-8

Matrix: Solid
Percent Solids: 80.4

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:32	1
Zinc	**0.064**	**J B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.84**	**J**	1.2	0.24	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Arsenic	**6.6**		0.62	0.21	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Barium	**51**		0.62	0.070	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Beryllium	**0.83**		0.25	0.058	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Cadmium	**0.20**		0.12	0.022	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Calcium	**34000**	**B**	12	2.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Chromium	**18**		0.62	0.31	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Cobalt	**11**		0.31	0.081	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Copper	**21**		0.62	0.17	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Iron	**18000**		12	6.4	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Lead	**15**		0.31	0.14	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Magnesium	**22000**		6.2	3.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Manganese	**330**		0.62	0.090	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Nickel	**29**		0.62	0.18	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Potassium	**2400**		31	11	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Selenium	**0.51**	**J**	0.62	0.36	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Silver	**2.8**		0.31	0.080	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Sodium	**200**		62	9.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Vanadium	**23**		0.31	0.073	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	1
Zinc	**57**		1.2	0.54	mg/Kg	☼	02/03/20 07:15	02/03/20 23:51	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		02/13/20 10:55	02/14/20 08:33	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		02/13/20 16:40	02/14/20 09:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		20	6.7	ug/Kg	☼	02/13/20 16:05	02/14/20 09:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.6**		0.2	0.2	SU			02/03/20 16:48	1

Client Sample ID: VM-4(4-8)-012720
Date Collected: 01/27/20 15:35
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-9
Matrix: Solid
Percent Solids: 80.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.59	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
1,1,2-Trichloroethane	<1.9		1.9	0.80	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
1,1-Dichloroethane	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
1,1-Dichloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
1,2-Dichloropropane	<1.9		1.9	0.48	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
1,3-Dichloropropene, Total	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Acetone	**67**		19	8.1	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Benzene	<1.9		1.9	0.47	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Bromoform	<1.9		1.9	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Carbon disulfide	<4.7		4.7	0.97	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Carbon tetrachloride	<1.9		1.9	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Chlorobenzene	<1.9		1.9	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Chloroethane	<4.7		4.7	1.4	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Chloroform	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Chloromethane	<4.7		4.7	1.9	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
cis-1,2-Dichloroethene	<1.9		1.9	0.52	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
cis-1,3-Dichloropropene	<1.9		1.9	0.56	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Ethylbenzene	<1.9		1.9	0.89	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Methyl Ethyl Ketone	<4.7		4.7	2.1	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Methyl tert-butyl ether	<1.9		1.9	0.55	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Methylene Chloride	<4.7		4.7	1.8	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Styrene	<1.9		1.9	0.56	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Tetrachloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
trans-1,2-Dichloroethene	<1.9		1.9	0.82	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
trans-1,3-Dichloropropene	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Trichloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Vinyl chloride	<1.9		1.9	0.82	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1
Xylenes, Total	<3.7		3.7	0.60	ug/Kg	☼	01/28/20 17:20	02/06/20 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*	*01/28/20 17:20*	*02/06/20 15:27*	*1*
4-Bromofluorobenzene (Surr)	*106*		*75 - 131*	*01/28/20 17:20*	*02/06/20 15:27*	*1*
Dibromofluoromethane	*94*		*75 - 126*	*01/28/20 17:20*	*02/06/20 15:27*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*01/28/20 17:20*	*02/06/20 15:27*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177004-1

Client Sample ID: VM-4(4-8)-012720
Date Collected: 01/27/20 15:35
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-9
Matrix: Solid
Percent Solids: 80.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2-Methylphenol	<200		200	65	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Anthracene	<40		40	6.7	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Carbazole	<200		200	100	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Chrysene	<40		40	11	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Di-n-butyl phthalate	**76**	**J**	200	62	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Fluoranthene	**13**	**J**	40	7.5	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Fluorene	<40		40	5.7	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Hexachlorobenzene	<81		81	9.4	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177004-1

Client Sample ID: VM-4(4-8)-012720
Date Collected: 01/27/20 15:35
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-9
Matrix: Solid
Percent Solids: 80.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Isophorone	<200		200	45	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Phenol	<200		200	90	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1
Pyrene	**32**	**J**	40	8.0	ug/Kg	☼	02/03/20 18:06	02/04/20 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*31 - 143*	*02/03/20 18:06*	*02/04/20 20:08*	*1*
2-Fluorobiphenyl	*74*		*43 - 145*	*02/03/20 18:06*	*02/04/20 20:08*	*1*
2-Fluorophenol	*94*		*31 - 166*	*02/03/20 18:06*	*02/04/20 20:08*	*1*
Nitrobenzene-d5	*88*		*37 - 147*	*02/03/20 18:06*	*02/04/20 20:08*	*1*
Phenol-d5	*85*		*30 - 153*	*02/03/20 18:06*	*02/04/20 20:08*	*1*
Terphenyl-d14	*120*		*42 - 157*	*02/03/20 18:06*	*02/04/20 20:08*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:36	02/10/20 10:00	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 10:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 10:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 10:00	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:00	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:00	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:00	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 10:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 10:00	1
Manganese	**1.8**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:00	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:00	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 10:00	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:00	1
Zinc	**0.30**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 10:00	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:30	02/10/20 09:44	1
Barium	**0.14**	**J**	0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:44	1
Chromium	**0.014**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:44	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:44	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:44	1
Iron	**8.9**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:44	1
Lead	**0.0089**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:44	1
Manganese	**0.048**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:44	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:44	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:44	1

Client Sample ID: VM-4(4-8)-012720

Date Collected: 01/27/20 15:35
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-9

Matrix: Solid
Percent Solids: 80.9

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:44	1
Zinc	**0.23**	**J B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.79**	**J**	1.2	0.24	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Arsenic	**6.0**		0.62	0.21	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Barium	**53**		0.62	0.070	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Beryllium	**0.75**		0.25	0.057	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Cadmium	**0.24**		0.12	0.022	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Calcium	**70000**	**B**	120	21	mg/Kg	☼	02/03/20 07:15	02/04/20 13:49	10
Chromium	**16**		0.62	0.30	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Cobalt	**9.9**		0.31	0.081	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Copper	**17**		0.62	0.17	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Iron	**17000**		12	6.4	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Lead	**10**		0.31	0.14	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Magnesium	**30000**		6.2	3.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Manganese	**270**		0.62	0.089	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Nickel	**25**		0.62	0.18	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Potassium	**1600**		31	11	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Selenium	**0.63**		0.62	0.36	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Silver	**2.6**		0.31	0.079	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Sodium	**160**		62	9.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Vanadium	**24**		0.31	0.073	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	1
Zinc	**47**		1.2	0.54	mg/Kg	☼	02/03/20 07:15	02/03/20 23:55	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		02/13/20 10:55	02/14/20 08:34	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		02/13/20 16:40	02/14/20 09:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17**	**J**	19	6.3	ug/Kg	☼	02/13/20 16:05	02/14/20 09:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.6**		0.2	0.2	SU			02/03/20 16:51	1

Client Sample ID: VM-5(0-4)-012720
Date Collected: 01/27/20 15:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-10
Matrix: Solid
Percent Solids: 84.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.52	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.50	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,1,2-Trichloroethane	<1.6		1.6	0.67	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,1-Dichloroethane	<1.6		1.6	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,1-Dichloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,2-Dichloroethane	<3.9		3.9	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,2-Dichloropropane	<1.6		1.6	0.40	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
1,3-Dichloropropene, Total	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
2-Hexanone	<3.9		3.9	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Acetone	**43**		16	6.8	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Benzene	<1.6		1.6	0.40	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Bromoform	<1.6		1.6	0.46	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Bromomethane	<3.9		3.9	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Carbon disulfide	<3.9		3.9	0.81	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Carbon tetrachloride	<1.6		1.6	0.45	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Chlorobenzene	<1.6		1.6	0.58	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Chloroethane	<3.9		3.9	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Chloroform	<1.6		1.6	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Chloromethane	<3.9		3.9	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
cis-1,2-Dichloroethene	<1.6		1.6	0.44	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
cis-1,3-Dichloropropene	<1.6		1.6	0.47	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Dibromochloromethane	<1.6		1.6	0.51	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Ethylbenzene	<1.6		1.6	0.75	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Methyl Ethyl Ketone	<3.9		3.9	1.7	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
methyl isobutyl ketone	<3.9		3.9	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Methyl tert-butyl ether	<1.6		1.6	0.46	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Methylene Chloride	<3.9		3.9	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Styrene	<1.6		1.6	0.47	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Tetrachloroethene	<1.6		1.6	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Toluene	<1.6		1.6	0.39	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
trans-1,2-Dichloroethene	<1.6		1.6	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
trans-1,3-Dichloropropene	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Trichloroethene	<1.6		1.6	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Vinyl chloride	<1.6		1.6	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1
Xylenes, Total	<3.1		3.1	0.50	ug/Kg	☼	01/28/20 17:20	02/06/20 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*	*01/28/20 17:20*	*02/06/20 15:44*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*01/28/20 17:20*	*02/06/20 15:44*	*1*
Dibromofluoromethane	*109*		*75 - 126*	*01/28/20 17:20*	*02/06/20 15:44*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/28/20 17:20*	*02/06/20 15:44*	*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	☼	02/03/20 18:06	02/04/20 20:38	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,2'-oxybis[1-chloropropane]	<200	F1	200	45	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177004-1

Client Sample ID: VM-5(0-4)-012720
Date Collected: 01/27/20 15:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-10
Matrix: Solid
Percent Solids: 84.8

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	☼	02/03/20 18:06	02/04/20 20:38	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
3-Nitroaniline	<390	F1	390	120	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
4-Nitrophenol	<790	F1	790	370	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Acenaphthene	**37**	**J**	39	7.0	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Acenaphthylene	**40**		39	5.2	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Anthracene	**45**		39	6.5	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Benzo[a]anthracene	**25**	**J**	39	5.3	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Benzo[a]pyrene	**41**		39	7.6	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Benzo[b]fluoranthene	**54**		39	8.4	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Benzo[g,h,i]perylene	**26**	**J F1**	39	13	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Benzo[k]fluoranthene	**12**	**J**	39	12	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Carbazole	<200	F1	200	98	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Chrysene	**40**		39	11	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Dibenz(a,h)anthracene	**10**	**J**	39	7.6	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Di-n-butyl phthalate	**74**	**J**	200	60	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Fluoranthene	**77**		39	7.2	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Fluorene	<39		39	5.5	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Hexachloroethane	<200		200	59	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177004-1

Client Sample ID: VM-5(0-4)-012720
Date Collected: 01/27/20 15:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-10
Matrix: Solid
Percent Solids: 84.8

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	**22**	**J F1**	39	10	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Isophorone	<200		200	44	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Naphthalene	<39		39	6.0	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
N-Nitrosodiphenylamine	<200	F1	200	46	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Phenanthrene	**35**	**J**	39	5.4	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Phenol	<200		200	87	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1
Pyrene	**60**		39	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*31 - 143*	*02/03/20 18:06*	*02/04/20 20:38*	*1*
2-Fluorobiphenyl	*77*		*43 - 145*	*02/03/20 18:06*	*02/04/20 20:38*	*1*
2-Fluorophenol	*96*		*31 - 166*	*02/03/20 18:06*	*02/04/20 20:38*	*1*
Nitrobenzene-d5	*93*		*37 - 147*	*02/03/20 18:06*	*02/04/20 20:38*	*1*
Phenol-d5	*81*		*30 - 153*	*02/03/20 18:06*	*02/04/20 20:38*	*1*
Terphenyl-d14	*119*		*42 - 157*	*02/03/20 18:06*	*02/04/20 20:38*	*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		02/08/20 16:36	02/10/20 10:05	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 10:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 10:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 10:05	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 10:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 10:05	1
Manganese	**0.55**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 10:05	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 10:05	1
Zinc	**0.088**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 10:05	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.057**		0.050	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Barium	**0.52**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:48	1
Beryllium	**0.0064**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:48	1
Chromium	**0.14**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Cobalt	**0.039**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Copper	**0.17**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Iron	**130**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:48	1
Lead	**0.080**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:48	1
Manganese	**0.55**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Nickel	**0.14**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:48	1

Client Sample ID: VM-5(0-4)-012720

Date Collected: 01/27/20 15:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-10

Matrix: Solid
Percent Solids: 84.8

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:48	1
Zinc	**0.56**	**B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:48	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.68**	**J**	1.1	0.21	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Arsenic	**6.7**		0.54	0.18	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Barium	**39**		0.54	0.061	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Beryllium	**0.71**		0.21	0.050	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Cadmium	**0.19**		0.11	0.019	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Calcium	**70000**	**B**	110	18	mg/Kg	☼	02/03/20 07:15	02/04/20 14:10	10
Chromium	**26**		0.54	0.27	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Cobalt	**6.3**		0.27	0.070	mg/Kg	☼	02/03/20 07:15	02/04/20 14:06	1
Copper	**21**		0.54	0.15	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Iron	**16000**		11	5.6	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Lead	**10**		0.27	0.12	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Magnesium	**30000**		5.4	2.7	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Manganese	**440**		0.54	0.078	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Nickel	**35**		0.54	0.16	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Potassium	**2500**		27	9.5	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Selenium	**0.46**	**J**	0.54	0.32	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Silver	**2.4**		0.27	0.069	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Sodium	**390**		54	8.0	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Vanadium	**23**		0.27	0.063	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	1
Zinc	**53**		1.1	0.47	mg/Kg	☼	02/03/20 07:15	02/03/20 23:59	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		02/13/20 10:55	02/14/20 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		02/13/20 16:40	02/14/20 09:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	17	5.7	ug/Kg	☼	02/13/20 16:05	02/14/20 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			02/03/20 16:54	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177004-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
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
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-177004 COC

Report To (optional)		Bill To (optional)	
Contact:	Andris Siesen	Contact:	Same
Company:	Weston Solutions, Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Mandeleine, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Siesen@WestonSolutions.com	PO#/Reference#:	

Chain of Custody Record

Lab Job #: 500-177004

Chain of Custody Number:

Page ___ of ___

Temperature °C of Cooler: 4.3, 5.8, 5.2, 5.3

Client: Weston Solutions, Inc	Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL	
Project Location/State: Grayslake, IL	Lab Project #:
Sampler: Max Denio	Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4. Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		WM-6(0-4)-012720	1/27/20	1350	5	S	X	X	X	X	X					
2		HI-1(0-4)-012720		1400	5											
3		HI-2(0-3)-012720		1410	5											
4		HI-3(0-6)-012720		1420	5											
5		VM-1(0-4)-012720		1435	5											
6		VM-2(0-4)-012720		1450	5											
7		VM-3(0-6)-012720		1500	5											
8		VM-4(0-4)-012720		1525	5											
9		VM-4(4-8)-012720		1535	5											
10		VM-5(0-4)-012720		1540	5											

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
[signature]	Weston Sol.	1/27/20	1730	[signature]	Weston	1/27/2020	1730
[signature]	Weston	1/28/2020	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	Shin Scott	TA-CHI	1/28/20	1250

Lab Courier: [signature]
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-195716-1
Client Project/Site: IDOT - Grayslake - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
3/17/2021 8:48:21 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-195716-1

Client Sample ID: VM-10(0-6)-030521
Date Collected: 03/05/21 08:30
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-1
Matrix: Solid
Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00062	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
1,1-Dichloroethane	<0.0014		0.0014	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
1,1-Dichloroethene	<0.0014		0.0014	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00051	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Acetone	<0.014		0.014	0.0063	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Benzene	<0.0014		0.0014	0.00037	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Bromodichloromethane	<0.0014		0.0014	0.00030	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Carbon disulfide	<0.0036		0.0036	0.00075	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Carbon tetrachloride	<0.0014		0.0014	0.00042	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Chlorobenzene	<0.0014		0.0014	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Chloroform	<0.0014		0.0014	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Chloromethane	<0.0036		0.0036	0.0015	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00041	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00044	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Dibromochloromethane	<0.0014		0.0014	0.00047	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Ethylbenzene	<0.0014		0.0014	0.00069	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00043	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Styrene	<0.0014		0.0014	0.00044	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Tetrachloroethene	**0.00049**	**J**	0.0014	0.00049	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Toluene	<0.0014		0.0014	0.00037	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00064	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00051	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Trichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Vinyl chloride	<0.0014		0.0014	0.00064	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*	*03/06/21 12:07*	*03/10/21 16:49*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*03/06/21 12:07*	*03/10/21 16:49*	*1*
Dibromofluoromethane	*94*		*75 - 126*	*03/06/21 12:07*	*03/10/21 16:49*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*	*03/06/21 12:07*	*03/10/21 16:49*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
1,4-Dichlorobenzene	<0.18		0.18	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1

Client Sample ID: VM-10(0-6)-030521
Date Collected: 03/05/21 08:30
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-1
Matrix: Solid
Percent Solids: 91.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.35		0.35	0.081	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2,4-Dichlorophenol	<0.35		0.35	0.084	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2,4-Dinitrophenol	<0.71	F1	0.71	0.62	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2,6-Dinitrotoluene	<0.18		0.18	0.069	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2-Chlorophenol	<0.18		0.18	0.060	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2-Methylnaphthalene	<0.071		0.071	0.0065	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
2-Nitrophenol	<0.35		0.35	0.083	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
3 & 4 Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.049	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
4,6-Dinitro-2-methylphenol	<0.71	F2	0.71	0.28	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
4-Chloroaniline	<0.71		0.71	0.17	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
4-Nitrophenol	<0.71		0.71	0.34	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Acenaphthene	<0.035		0.035	0.0063	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Acenaphthylene	<0.035		0.035	0.0047	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Anthracene	**0.0066**	**J**	0.035	0.0059	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Benzo[a]anthracene	**0.053**		0.035	0.0048	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Benzo[a]pyrene	**0.099**		0.035	0.0068	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Benzo[b]fluoranthene	**0.13**	**F1**	0.035	0.0076	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Benzo[g,h,i]perylene	**0.053**	***+ F1**	0.035	0.011	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Benzo[k]fluoranthene	**0.054**		0.035	0.010	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.053	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Butyl benzyl phthalate	<0.18		0.18	0.067	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Carbazole	<0.18		0.18	0.088	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Chrysene	**0.080**		0.035	0.0096	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Dibenz(a,h)anthracene	**0.010**	**J *+ F1**	0.035	0.0068	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Dibenzofuran	<0.18		0.18	0.041	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Diethyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Fluoranthene	**0.12**		0.035	0.0065	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Fluorene	<0.035		0.035	0.0050	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Hexachlorobenzene	<0.071		0.071	0.0082	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Hexachlorobutadiene	<0.18		0.18	0.055	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Hexachlorocyclopentadiene	<0.71	F2	0.71	0.20	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1

Client Sample ID: VM-10(0-6)-030521

Date Collected: 03/05/21 08:30
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-1

Matrix: Solid
Percent Solids: 91.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.051**	***+ F1**	0.035	0.0092	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Naphthalene	<0.035		0.035	0.0054	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Nitrobenzene	<0.035		0.035	0.0088	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
N-Nitrosodi-n-propylamine	<0.071		0.071	0.043	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Pentachlorophenol	<0.71	F2	0.71	0.57	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Phenanthrene	**0.039**		0.035	0.0049	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Phenol	<0.18		0.18	0.078	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1
Pyrene	**0.10**	**F1**	0.035	0.0070	mg/Kg	☼	03/10/21 08:50	03/11/21 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*31 - 143*	*03/10/21 08:50*	*03/11/21 05:47*	*1*
2-Fluorobiphenyl	*89*		*43 - 145*	*03/10/21 08:50*	*03/11/21 05:47*	*1*
2-Fluorophenol	*110*		*31 - 166*	*03/10/21 08:50*	*03/11/21 05:47*	*1*
Nitrobenzene-d5	*72*		*37 - 147*	*03/10/21 08:50*	*03/11/21 05:47*	*1*
Phenol-d5	*89*		*30 - 153*	*03/10/21 08:50*	*03/11/21 05:47*	*1*
Terphenyl-d14	*95*		*42 - 157*	*03/10/21 08:50*	*03/11/21 05:47*	*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		03/11/21 16:42	03/12/21 10:08	1
Barium	**0.13**	**J**	0.50	0.050	mg/L		03/11/21 16:42	03/12/21 10:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:42	03/12/21 10:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:42	03/12/21 10:08	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:08	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:08	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:08	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:42	03/12/21 10:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:42	03/12/21 10:08	1
Manganese	**0.98**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:08	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:08	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:42	03/12/21 10:08	1
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:08	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:42	03/12/21 10:08	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		03/11/21 16:46	03/12/21 11:46	1
Barium	<0.50		0.50	0.050	mg/L		03/11/21 16:46	03/12/21 11:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:46	03/12/21 11:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:46	03/12/21 11:46	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:46	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:46	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:46	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:46	03/12/21 11:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:46	03/12/21 11:46	1
Manganese	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:46	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:46	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:46	03/12/21 11:46	1

Client Sample ID: VM-10(0-6)-030521

Date Collected: 03/05/21 08:30
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-1

Matrix: Solid
Percent Solids: 91.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:46	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:46	03/12/21 11:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.33**	**J ^6+**	1.0	0.20	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Arsenic	**3.0**		0.52	0.18	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Barium	**8.8**		0.52	0.059	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Beryllium	**0.17**	**J**	0.21	0.048	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Cadmium	**0.076**	**J B**	0.10	0.019	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Calcium	**130000**		52	8.8	mg/Kg	☼	03/09/21 17:33	03/11/21 15:45	5
Chromium	**4.1**		0.52	0.26	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Cobalt	**2.2**		0.26	0.068	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Copper	**10**		0.52	0.15	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Iron	**7500**		52	27	mg/Kg	☼	03/09/21 17:33	03/11/21 15:45	5
Lead	**4.9**		0.26	0.12	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Magnesium	**67000**		26	13	mg/Kg	☼	03/09/21 17:33	03/11/21 15:45	5
Manganese	**190**		0.52	0.075	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Nickel	**5.6**		0.52	0.15	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Potassium	**430**		26	9.2	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Selenium	<0.52		0.52	0.30	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Silver	<0.26		0.26	0.067	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Sodium	**140**	**B**	52	7.7	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Vanadium	**7.3**		0.26	0.061	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1
Zinc	**22**		1.0	0.46	mg/Kg	☼	03/09/21 17:33	03/10/21 17:53	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 09:33	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 09:40	03/12/21 10:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.018		0.018	0.0060	mg/Kg	☼	03/09/21 13:20	03/10/21 09:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.0**		0.2	0.2	SU			03/09/21 13:39	1

Client Sample ID: VM-12(0-6)-030521

Date Collected: 03/05/21 09:20
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-2

Matrix: Solid
Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Acetone	**0.011**	**J**	0.016	0.0068	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Methyl Ethyl Ketone	**0.0018**	**J**	0.0039	0.0017	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*	*03/06/21 12:07*	*03/10/21 17:15*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 131*	*03/06/21 12:07*	*03/10/21 17:15*	*1*
Dibromofluoromethane	*95*		*75 - 126*	*03/06/21 12:07*	*03/10/21 17:15*	*1*
Toluene-d8 (Surr)	*91*		*75 - 124*	*03/06/21 12:07*	*03/10/21 17:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1

Client Sample ID: VM-12(0-6)-030521
Date Collected: 03/05/21 09:20
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-2
Matrix: Solid
Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Benzo[g,h,i]perylene	<0.039	*+	0.039	0.013	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Dibenz(a,h)anthracene	<0.039	*+	0.039	0.0076	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1

Client Sample ID: VM-12(0-6)-030521
Date Collected: 03/05/21 09:20
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-2
Matrix: Solid
Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039	*+	0.039	0.010	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	03/10/21 08:50	03/10/21 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*31 - 143*	*03/10/21 08:50*	*03/10/21 22:56*	*1*
2-Fluorobiphenyl	*84*		*43 - 145*	*03/10/21 08:50*	*03/10/21 22:56*	*1*
2-Fluorophenol	*100*		*31 - 166*	*03/10/21 08:50*	*03/10/21 22:56*	*1*
Nitrobenzene-d5	*100*		*37 - 147*	*03/10/21 08:50*	*03/10/21 22:56*	*1*
Phenol-d5	*87*		*30 - 153*	*03/10/21 08:50*	*03/10/21 22:56*	*1*
Terphenyl-d14	*89*		*42 - 157*	*03/10/21 08:50*	*03/10/21 22:56*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/11/21 16:42	03/12/21 10:12	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		03/11/21 16:42	03/12/21 10:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:42	03/12/21 10:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:42	03/12/21 10:12	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:12	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:12	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:12	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:42	03/12/21 10:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:42	03/12/21 10:12	1
Manganese	**4.4**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:12	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:12	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:42	03/12/21 10:12	1
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:12	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:42	03/12/21 10:12	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		03/11/21 16:46	03/12/21 11:49	1
Barium	<0.50		0.50	0.050	mg/L		03/11/21 16:46	03/12/21 11:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:46	03/12/21 11:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:46	03/12/21 11:49	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:49	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:49	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:49	1
Iron	**2.4**		0.40	0.20	mg/L		03/11/21 16:46	03/12/21 11:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:46	03/12/21 11:49	1
Manganese	**0.028**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:49	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:49	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:46	03/12/21 11:49	1

Client Sample ID: VM-12(0-6)-030521

Date Collected: 03/05/21 09:20
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-2

Matrix: Solid
Percent Solids: 83.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:49	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:46	03/12/21 11:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.65**	**J**	1.2	0.23	mg/Kg	☼	03/09/21 17:33	03/11/21 15:49	1
Arsenic	**6.7**		0.59	0.20	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Barium	**63**		0.59	0.067	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Beryllium	**0.93**		0.23	0.055	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Cadmium	**0.15**	**B**	0.12	0.021	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Calcium	**69000**		59	9.9	mg/Kg	☼	03/09/21 17:33	03/11/21 15:52	5
Chromium	**19**		0.59	0.29	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Cobalt	**12**		0.29	0.077	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Copper	**25**		0.59	0.16	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Iron	**20000**		12	6.1	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Lead	**14**		0.29	0.14	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Magnesium	**31000**		5.9	2.9	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Manganese	**410**		0.59	0.085	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Nickel	**31**		0.59	0.17	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Potassium	**3000**		29	10	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Silver	**0.34**		0.29	0.076	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Sodium	**190**	**B**	59	8.7	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Thallium	**0.44**	**J**	0.59	0.29	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Vanadium	**26**		0.29	0.069	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1
Zinc	**60**		1.2	0.51	mg/Kg	☼	03/09/21 17:33	03/10/21 17:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 09:35	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 09:40	03/12/21 10:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**		0.019	0.0063	mg/Kg	☼	03/09/21 13:20	03/10/21 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.8**		0.2	0.2	SU			03/10/21 16:34	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-195716-1

Client Sample ID: VM-12(0-6)-030521D

Date Collected: 03/05/21 09:20
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-3

Matrix: Solid
Percent Solids: 83.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Acetone	<0.016		0.016	0.0068	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*03/06/21 12:07*	*03/10/21 17:41*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*03/06/21 12:07*	*03/10/21 17:41*	*1*
Dibromofluoromethane	*96*		*75 - 126*	*03/06/21 12:07*	*03/10/21 17:41*	*1*
Toluene-d8 (Surr)	*91*		*75 - 124*	*03/06/21 12:07*	*03/10/21 17:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1

Client Sample ID: VM-12(0-6)-030521D

Date Collected: 03/05/21 09:20
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-3

Matrix: Solid
Percent Solids: 83.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2,4-Dinitrophenol	<0.80		0.80	0.69	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Benzo[a]anthracene	**0.0054**	**J**	0.039	0.0053	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Benzo[a]pyrene	**0.0091**	**J**	0.039	0.0076	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Benzo[b]fluoranthene	**0.0089**	**J**	0.039	0.0085	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Benzo[g,h,i]perylene	<0.039	*+	0.039	0.013	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Dibenz(a,h)anthracene	<0.039	*+	0.039	0.0076	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Fluoranthene	**0.0088**	**J**	0.039	0.0073	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Hexachlorobenzene	<0.080		0.080	0.0091	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1

Client Sample ID: VM-12(0-6)-030521D

Date Collected: 03/05/21 09:20
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-3

Matrix: Solid
Percent Solids: 83.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039	*+	0.039	0.010	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Phenanthrene	**0.0056**	**J**	0.039	0.0055	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1
Pyrene	**0.010**	**J**	0.039	0.0078	mg/Kg	☼	03/10/21 08:50	03/10/21 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*31 - 143*	*03/10/21 08:50*	*03/10/21 23:21*	*1*
2-Fluorobiphenyl	*95*		*43 - 145*	*03/10/21 08:50*	*03/10/21 23:21*	*1*
2-Fluorophenol	*113*		*31 - 166*	*03/10/21 08:50*	*03/10/21 23:21*	*1*
Nitrobenzene-d5	*112*		*37 - 147*	*03/10/21 08:50*	*03/10/21 23:21*	*1*
Phenol-d5	*100*		*30 - 153*	*03/10/21 08:50*	*03/10/21 23:21*	*1*
Terphenyl-d14	*103*		*42 - 157*	*03/10/21 08:50*	*03/10/21 23:21*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/11/21 16:42	03/12/21 10:15	1
Barium	**0.46**	**J**	0.50	0.050	mg/L		03/11/21 16:42	03/12/21 10:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:42	03/12/21 10:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:42	03/12/21 10:15	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:15	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:15	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:15	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:42	03/12/21 10:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:42	03/12/21 10:15	1
Manganese	**3.4**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:15	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:15	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:42	03/12/21 10:15	1
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:15	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:42	03/12/21 10:15	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		03/11/21 16:46	03/12/21 11:53	1
Barium	<0.50		0.50	0.050	mg/L		03/11/21 16:46	03/12/21 11:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:46	03/12/21 11:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:46	03/12/21 11:53	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:53	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:53	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:53	1
Iron	**3.0**		0.40	0.20	mg/L		03/11/21 16:46	03/12/21 11:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:46	03/12/21 11:53	1
Manganese	**0.038**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:53	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:46	03/12/21 11:53	1

Client Sample ID: VM-12(0-6)-030521D

Date Collected: 03/05/21 09:20
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-3

Matrix: Solid
Percent Solids: 83.6

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:53	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:46	03/12/21 11:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.99**	**J ^6+**	1.1	0.22	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Arsenic	**9.1**		0.55	0.19	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Barium	**59**		0.55	0.063	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Beryllium	**0.88**		0.22	0.052	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Cadmium	**0.18**	**B**	0.11	0.020	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Calcium	**74000**		55	9.4	mg/Kg	☼	03/09/21 17:33	03/11/21 15:55	5
Chromium	**18**		0.55	0.27	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Cobalt	**14**		0.28	0.073	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Copper	**23**		0.55	0.16	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Iron	**20000**		11	5.8	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Lead	**13**		0.28	0.13	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Magnesium	**30000**		5.5	2.7	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Manganese	**440**		0.55	0.080	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Nickel	**31**		0.55	0.16	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Potassium	**2600**		28	9.8	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Selenium	<0.55		0.55	0.33	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Silver	**0.35**		0.28	0.071	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Sodium	**180**	**B**	55	8.2	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Thallium	**0.49**	**J**	0.55	0.28	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Vanadium	**24**		0.28	0.065	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1
Zinc	**60**		1.1	0.49	mg/Kg	☼	03/09/21 17:33	03/10/21 18:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 09:37	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 09:40	03/12/21 10:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**		0.019	0.0063	mg/Kg	☼	03/09/21 13:20	03/10/21 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.8**		0.2	0.2	SU			03/10/21 16:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-195716-1

Client Sample ID: VM-13(0-5)-030521

Date Collected: 03/05/21 09:45
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-4

Matrix: Solid
Percent Solids: 87.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00071	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
1,1-Dichloroethene	<0.0016		0.0016	0.00057	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
1,2-Dichloropropane	<0.0016		0.0016	0.00043	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00058	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Acetone	**0.0088**	**J**	0.016	0.0072	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Bromodichloromethane	<0.0016		0.0016	0.00034	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Carbon tetrachloride	<0.0016		0.0016	0.00048	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Chlorobenzene	<0.0016		0.0016	0.00061	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Dibromochloromethane	<0.0016		0.0016	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Ethylbenzene	<0.0016		0.0016	0.00079	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Styrene	<0.0016		0.0016	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Toluene	<0.0016		0.0016	0.00042	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00073	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00058	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Trichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Vinyl chloride	<0.0016		0.0016	0.00073	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*	*03/06/21 12:07*	*03/10/21 18:07*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 131*	*03/06/21 12:07*	*03/10/21 18:07*	*1*
Dibromofluoromethane	*96*		*75 - 126*	*03/06/21 12:07*	*03/10/21 18:07*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*03/06/21 12:07*	*03/10/21 18:07*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-195716-1

Client Sample ID: VM-13(0-5)-030521
Date Collected: 03/05/21 09:45
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-4
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	<0.38		0.38	0.087	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Benzo[g,h,i]perylene	<0.038	*+	0.038	0.012	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Dibenz(a,h)anthracene	<0.038	*+	0.038	0.0074	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Fluoranthene	**0.0081**	**J**	0.038	0.0071	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1

Client Sample ID: VM-13(0-5)-030521

Date Collected: 03/05/21 09:45
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-4

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	<0.038	*+	0.038	0.0099	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Phenanthrene	**0.0078**	**J**	0.038	0.0053	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1
Pyrene	**0.0095**	**J**	0.038	0.0076	mg/Kg	☼	03/10/21 08:50	03/10/21 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*31 - 143*	*03/10/21 08:50*	*03/10/21 23:46*	*1*
2-Fluorobiphenyl	*75*		*43 - 145*	*03/10/21 08:50*	*03/10/21 23:46*	*1*
2-Fluorophenol	*86*		*31 - 166*	*03/10/21 08:50*	*03/10/21 23:46*	*1*
Nitrobenzene-d5	*88*		*37 - 147*	*03/10/21 08:50*	*03/10/21 23:46*	*1*
Phenol-d5	*78*		*30 - 153*	*03/10/21 08:50*	*03/10/21 23:46*	*1*
Terphenyl-d14	*86*		*42 - 157*	*03/10/21 08:50*	*03/10/21 23:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/11/21 16:42	03/12/21 10:19	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		03/11/21 16:42	03/12/21 10:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:42	03/12/21 10:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:42	03/12/21 10:19	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:19	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:19	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:19	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:42	03/12/21 10:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:42	03/12/21 10:19	1
Manganese	**2.1**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:19	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:42	03/12/21 10:19	1
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:19	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:42	03/12/21 10:19	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		03/11/21 16:46	03/12/21 11:56	1
Barium	**0.083**	**J**	0.50	0.050	mg/L		03/11/21 16:46	03/12/21 11:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:46	03/12/21 11:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:46	03/12/21 11:56	1
Chromium	**0.023**	**J**	0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:56	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:56	1
Copper	**0.021**	**J**	0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:56	1
Iron	**19**		0.40	0.20	mg/L		03/11/21 16:46	03/12/21 11:56	1
Lead	**0.013**		0.0075	0.0075	mg/L		03/11/21 16:46	03/12/21 11:56	1
Manganese	**0.14**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:56	1
Nickel	**0.021**	**J**	0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:46	03/12/21 11:56	1

Client Sample ID: VM-13(0-5)-030521

Date Collected: 03/05/21 09:45
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-4

Matrix: Solid
Percent Solids: 87.0

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:56	1
Zinc	**0.045**	**J**	0.50	0.020	mg/L		03/11/21 16:46	03/12/21 11:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.61**	**J**	1.1	0.22	mg/Kg	☼	03/09/21 17:33	03/11/21 15:58	1
Arsenic	**6.3**		0.57	0.19	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Barium	**47**		0.57	0.065	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Beryllium	**0.74**		0.23	0.053	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Cadmium	**0.20**	**B**	0.11	0.020	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Calcium	**80000**		57	9.6	mg/Kg	☼	03/09/21 17:33	03/11/21 16:02	5
Chromium	**16**		0.57	0.28	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Cobalt	**13**		0.28	0.075	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Copper	**22**		0.57	0.16	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Iron	**18000**		11	5.9	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Lead	**12**		0.28	0.13	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Magnesium	**34000**		5.7	2.8	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Manganese	**560**		0.57	0.083	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Nickel	**30**		0.57	0.17	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Potassium	**2600**		28	10	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Silver	**0.30**		0.28	0.073	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Sodium	**150**	**B**	57	8.4	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Thallium	**0.78**		0.57	0.28	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Vanadium	**21**		0.28	0.067	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1
Zinc	**57**		1.1	0.50	mg/Kg	☼	03/09/21 17:33	03/10/21 18:03	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 09:39	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 10:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**		0.017	0.0058	mg/Kg	☼	03/09/21 13:20	03/10/21 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.1**		0.2	0.2	SU			03/10/21 16:40	1

Client Sample ID: VM-11(0-5)-030521

Date Collected: 03/05/21 10:00
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-5

Matrix: Solid
Percent Solids: 84.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Acetone	**0.013**	**J**	0.016	0.0069	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Methyl Ethyl Ketone	**0.0027**	**J**	0.0039	0.0017	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*	*03/06/21 12:07*	*03/10/21 18:33*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 131*	*03/06/21 12:07*	*03/10/21 18:33*	*1*
Dibromofluoromethane	*95*		*75 - 126*	*03/06/21 12:07*	*03/10/21 18:33*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*03/06/21 12:07*	*03/10/21 18:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1

Client Sample ID: VM-11(0-5)-030521
Date Collected: 03/05/21 10:00
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-5
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Benzo[a]anthracene	**0.011**	**J**	0.038	0.0051	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Benzo[a]pyrene	**0.015**	**J**	0.038	0.0074	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Benzo[b]fluoranthene	**0.019**	**J**	0.038	0.0082	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Benzo[g,h,i]perylene	**0.014**	**J *+**	0.038	0.012	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Chrysene	**0.014**	**J**	0.038	0.010	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Dibenz(a,h)anthracene	<0.038	*+	0.038	0.0073	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Fluoranthene	**0.022**	**J**	0.038	0.0071	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-195716-1

Client Sample ID: VM-11(0-5)-030521
Date Collected: 03/05/21 10:00
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-5
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.011**	**J *+**	0.038	0.0099	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Phenanthrene	**0.013**	**J**	0.038	0.0053	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1
Pyrene	**0.022**	**J**	0.038	0.0076	mg/Kg	☼	03/10/21 08:50	03/11/21 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*31 - 143*	*03/10/21 08:50*	*03/11/21 00:12*	*1*
2-Fluorobiphenyl	*86*		*43 - 145*	*03/10/21 08:50*	*03/11/21 00:12*	*1*
2-Fluorophenol	*107*		*31 - 166*	*03/10/21 08:50*	*03/11/21 00:12*	*1*
Nitrobenzene-d5	*100*		*37 - 147*	*03/10/21 08:50*	*03/11/21 00:12*	*1*
Phenol-d5	*94*		*30 - 153*	*03/10/21 08:50*	*03/11/21 00:12*	*1*
Terphenyl-d14	*81*		*42 - 157*	*03/10/21 08:50*	*03/11/21 00:12*	*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		03/11/21 16:42	03/12/21 10:29	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		03/11/21 16:42	03/12/21 10:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:42	03/12/21 10:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:42	03/12/21 10:29	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:29	1
Cobalt	**0.023**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:29	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:29	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:42	03/12/21 10:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:42	03/12/21 10:29	1
Manganese	**5.5**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:29	1
Nickel	**0.026**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:29	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:42	03/12/21 10:29	1
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:29	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:42	03/12/21 10:29	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		03/11/21 16:46	03/12/21 11:59	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		03/11/21 16:46	03/12/21 11:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:46	03/12/21 11:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:46	03/12/21 11:59	1
Chromium	**0.044**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:59	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:59	1
Copper	**0.055**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:59	1
Iron	**43**		0.40	0.20	mg/L		03/11/21 16:46	03/12/21 11:59	1
Lead	**0.025**		0.0075	0.0075	mg/L		03/11/21 16:46	03/12/21 11:59	1
Manganese	**0.41**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:59	1
Nickel	**0.050**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:59	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:46	03/12/21 11:59	1

Client Sample ID: VM-11(0-5)-030521

Date Collected: 03/05/21 10:00
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-5

Matrix: Solid
Percent Solids: 84.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 11:59	1
Zinc	**0.11**	**J**	0.50	0.020	mg/L		03/11/21 16:46	03/12/21 11:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.93**	**J ^6+**	1.1	0.22	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Arsenic	**6.2**		0.57	0.19	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Barium	**42**		0.57	0.065	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Beryllium	**0.70**		0.23	0.053	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Cadmium	**0.16**	**B**	0.11	0.020	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Calcium	**85000**		57	9.6	mg/Kg	☼	03/09/21 17:33	03/11/21 16:05	5
Chromium	**15**		0.57	0.28	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Cobalt	**11**		0.28	0.074	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Copper	**19**		0.57	0.16	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Iron	**23000**		57	30	mg/Kg	☼	03/09/21 17:33	03/11/21 16:05	5
Lead	**11**		0.28	0.13	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Magnesium	**47000**		28	14	mg/Kg	☼	03/09/21 17:33	03/11/21 16:05	5
Manganese	**460**		0.57	0.082	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Nickel	**24**		0.57	0.17	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Potassium	**2300**		28	10	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Silver	**0.23**	**J**	0.28	0.073	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Sodium	**160**	**B**	57	8.4	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Thallium	**0.49**	**J**	0.57	0.28	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Vanadium	**21**		0.28	0.067	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1
Zinc	**52**		1.1	0.50	mg/Kg	☼	03/09/21 17:33	03/10/21 18:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 09:41	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 10:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**		0.019	0.0064	mg/Kg	☼	03/09/21 13:20	03/10/21 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			03/10/21 16:42	1

Client Sample ID: VM-11(5-10)-030521
Date Collected: 03/05/21 10:10
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-6
Matrix: Solid
Percent Solids: 83.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Acetone	**0.0080**	**J**	0.015	0.0067	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	03/06/21 12:07	03/10/21 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*	*03/06/21 12:07*	*03/10/21 18:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*03/06/21 12:07*	*03/10/21 18:59*	*1*
Dibromofluoromethane	*95*		*75 - 126*	*03/06/21 12:07*	*03/10/21 18:59*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*	*03/06/21 12:07*	*03/10/21 18:59*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1

Client Sample ID: VM-11(5-10)-030521

Date Collected: 03/05/21 10:10
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-6

Matrix: Solid
Percent Solids: 83.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Anthracene	**0.011**	**J**	0.038	0.0064	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Benzo[a]anthracene	**0.041**		0.038	0.0051	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Benzo[a]pyrene	**0.055**		0.038	0.0074	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Benzo[b]fluoranthene	**0.067**		0.038	0.0082	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Benzo[g,h,i]perylene	**0.034**	**J *+**	0.038	0.012	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Benzo[k]fluoranthene	**0.024**	**J**	0.038	0.011	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Chrysene	**0.057**		0.038	0.010	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Dibenz(a,h)anthracene	**0.0074**	**J *+**	0.038	0.0074	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Fluoranthene	**0.11**		0.038	0.0071	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Fluorene	**0.0077**	**J**	0.038	0.0054	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1

Client Sample ID: VM-11(5-10)-030521

Date Collected: 03/05/21 10:10
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-6

Matrix: Solid
Percent Solids: 83.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.031**	**J *+**	0.038	0.0099	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Phenanthrene	**0.069**		0.038	0.0053	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1
Pyrene	**0.087**		0.038	0.0076	mg/Kg	☼	03/10/21 08:50	03/11/21 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*31 - 143*	*03/10/21 08:50*	*03/11/21 00:37*	*1*
2-Fluorobiphenyl	*74*		*43 - 145*	*03/10/21 08:50*	*03/11/21 00:37*	*1*
2-Fluorophenol	*98*		*31 - 166*	*03/10/21 08:50*	*03/11/21 00:37*	*1*
Nitrobenzene-d5	*87*		*37 - 147*	*03/10/21 08:50*	*03/11/21 00:37*	*1*
Phenol-d5	*85*		*30 - 153*	*03/10/21 08:50*	*03/11/21 00:37*	*1*
Terphenyl-d14	*76*		*42 - 157*	*03/10/21 08:50*	*03/11/21 00:37*	*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		03/11/21 16:42	03/12/21 10:33	1
Barium	**0.52**		0.50	0.050	mg/L		03/11/21 16:42	03/12/21 10:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:42	03/12/21 10:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:42	03/12/21 10:33	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:33	1
Cobalt	**0.011**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:33	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:33	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:42	03/12/21 10:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:42	03/12/21 10:33	1
Manganese	**4.0**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:33	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:33	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:42	03/12/21 10:33	1
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:33	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:42	03/12/21 10:33	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		03/11/21 16:46	03/12/21 12:02	1
Barium	<0.50		0.50	0.050	mg/L		03/11/21 16:46	03/12/21 12:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:46	03/12/21 12:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:46	03/12/21 12:02	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:02	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:02	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:02	1
Iron	**1.4**		0.40	0.20	mg/L		03/11/21 16:46	03/12/21 12:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:46	03/12/21 12:02	1
Manganese	**0.055**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:02	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:02	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:46	03/12/21 12:02	1

Client Sample ID: VM-11(5-10)-030521
Date Collected: 03/05/21 10:10
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-6
Matrix: Solid
Percent Solids: 83.6

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:02	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:46	03/12/21 12:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.86	J ^6+	1.1	0.21	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Arsenic	5.3		0.55	0.19	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Barium	52		0.55	0.063	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Beryllium	0.73		0.22	0.051	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Cadmium	0.19	B	0.11	0.020	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Calcium	73000		55	9.3	mg/Kg	☼	03/09/21 17:33	03/11/21 16:15	5
Chromium	15		0.55	0.27	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Cobalt	10		0.27	0.072	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Copper	20		0.55	0.15	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Iron	17000		11	5.7	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Lead	13		0.27	0.13	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Magnesium	31000		5.5	2.7	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Manganese	430		0.55	0.080	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Nickel	26		0.55	0.16	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Potassium	2100		27	9.7	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Silver	0.25	J	0.27	0.071	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Sodium	270	B	55	8.1	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Thallium	0.29	J	0.55	0.27	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Vanadium	22		0.27	0.065	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1
Zinc	60		1.1	0.48	mg/Kg	☼	03/09/21 17:33	03/10/21 18:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 09:52	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 10:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.019	0.0063	mg/Kg	☼	03/09/21 13:20	03/10/21 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			03/10/21 16:45	1

Client Sample ID: VM-8(0-5)-030521
Date Collected: 03/05/21 10:35
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-7
Matrix: Solid
Percent Solids: 88.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Acetone	**0.0083**	**J**	0.018	0.0079	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	03/06/21 12:07	03/10/21 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*	*03/06/21 12:07*	*03/10/21 19:25*	*1*
4-Bromofluorobenzene (Surr)	*104*		*75 - 131*	*03/06/21 12:07*	*03/10/21 19:25*	*1*
Dibromofluoromethane	*96*		*75 - 126*	*03/06/21 12:07*	*03/10/21 19:25*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*	*03/06/21 12:07*	*03/10/21 19:25*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1

Client Sample ID: VM-8(0-5)-030521

Date Collected: 03/05/21 10:35
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-7

Matrix: Solid
Percent Solids: 88.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2-Methylnaphthalene	**0.015**	**J**	0.075	0.0068	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Acenaphthene	**0.040**		0.037	0.0067	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Anthracene	**0.011**	**J**	0.037	0.0062	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Benzo[a]anthracene	**0.022**	**J**	0.037	0.0050	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Benzo[a]pyrene	**0.043**		0.037	0.0072	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Benzo[b]fluoranthene	**0.052**		0.037	0.0080	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Benzo[g,h,i]perylene	**0.021**	**J *+**	0.037	0.012	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Benzo[k]fluoranthene	**0.014**	**J**	0.037	0.011	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Chrysene	**0.039**		0.037	0.010	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Dibenz(a,h)anthracene	<0.037	*+	0.037	0.0072	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Fluoranthene	**0.064**		0.037	0.0069	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Fluorene	**0.058**		0.037	0.0052	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1

Client Sample ID: VM-8(0-5)-030521

Date Collected: 03/05/21 10:35
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-7

Matrix: Solid
Percent Solids: 88.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.018**	**J *+**	0.037	0.0096	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Phenanthrene	**0.11**		0.037	0.0052	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1
Pyrene	**0.067**		0.037	0.0074	mg/Kg	☼	03/10/21 08:50	03/11/21 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*31 - 143*	*03/10/21 08:50*	*03/11/21 01:02*	*1*
2-Fluorobiphenyl	*86*		*43 - 145*	*03/10/21 08:50*	*03/11/21 01:02*	*1*
2-Fluorophenol	*101*		*31 - 166*	*03/10/21 08:50*	*03/11/21 01:02*	*1*
Nitrobenzene-d5	*96*		*37 - 147*	*03/10/21 08:50*	*03/11/21 01:02*	*1*
Phenol-d5	*89*		*30 - 153*	*03/10/21 08:50*	*03/11/21 01:02*	*1*
Terphenyl-d14	*83*		*42 - 157*	*03/10/21 08:50*	*03/11/21 01:02*	*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		03/11/21 16:42	03/12/21 10:36	1
Barium	**0.51**		0.50	0.050	mg/L		03/11/21 16:42	03/12/21 10:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:42	03/12/21 10:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:42	03/12/21 10:36	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:36	1
Cobalt	**0.010**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:36	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:36	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:42	03/12/21 10:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:42	03/12/21 10:36	1
Manganese	**3.5**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:36	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:42	03/12/21 10:36	1
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:36	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:42	03/12/21 10:36	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		03/11/21 16:46	03/12/21 12:05	1
Barium	**0.053**	**J**	0.50	0.050	mg/L		03/11/21 16:46	03/12/21 12:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:46	03/12/21 12:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:46	03/12/21 12:05	1
Chromium	**0.014**	**J**	0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:05	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:05	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:05	1
Iron	**10**		0.40	0.20	mg/L		03/11/21 16:46	03/12/21 12:05	1
Lead	**0.0089**		0.0075	0.0075	mg/L		03/11/21 16:46	03/12/21 12:05	1
Manganese	**0.12**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:05	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:46	03/12/21 12:05	1

Client Sample ID: VM-8(0-5)-030521

Date Collected: 03/05/21 10:35
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-7

Matrix: Solid
Percent Solids: 88.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:05	1
Zinc	**0.024**	**J**	0.50	0.020	mg/L		03/11/21 16:46	03/12/21 12:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.83**	**J ^6+**	1.1	0.21	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Arsenic	**4.6**		0.54	0.19	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Barium	**38**		0.54	0.062	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Beryllium	**0.70**		0.22	0.051	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Cadmium	**0.15**	**B**	0.11	0.020	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Calcium	**90000**		54	9.2	mg/Kg	☼	03/09/21 17:33	03/11/21 16:18	5
Chromium	**15**		0.54	0.27	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Cobalt	**10**		0.27	0.071	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Copper	**19**		0.54	0.15	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Iron	**21000**		54	28	mg/Kg	☼	03/09/21 17:33	03/11/21 16:18	5
Lead	**10**		0.27	0.13	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Magnesium	**48000**		27	13	mg/Kg	☼	03/09/21 17:33	03/11/21 16:18	5
Manganese	**400**		0.54	0.079	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Nickel	**26**		0.54	0.16	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Potassium	**2700**		27	9.6	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Silver	**0.26**	**J**	0.27	0.070	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Sodium	**180**	**B**	54	8.0	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Thallium	**0.41**	**J**	0.54	0.27	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Vanadium	**20**		0.27	0.064	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1
Zinc	**45**		1.1	0.48	mg/Kg	☼	03/09/21 17:33	03/10/21 18:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 09:54	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 11:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**		0.017	0.0058	mg/Kg	☼	03/09/21 13:20	03/10/21 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			03/10/21 16:47	1

Client Sample ID: VM-8(5-10)-030521

Date Collected: 03/05/21 10:45
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-8

Matrix: Solid
Percent Solids: 82.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Acetone	**0.011**	**J**	0.018	0.0077	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1
Xylenes, Total	<0.0035		0.0035	0.00057	mg/Kg	☼	03/06/21 12:07	03/10/21 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*	*03/06/21 12:07*	*03/10/21 19:51*	*1*
4-Bromofluorobenzene (Surr)	*103*		*75 - 131*	*03/06/21 12:07*	*03/10/21 19:51*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*03/06/21 12:07*	*03/10/21 19:51*	*1*
Toluene-d8 (Surr)	*91*		*75 - 124*	*03/06/21 12:07*	*03/10/21 19:51*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1

Client Sample ID: VM-8(5-10)-030521

Date Collected: 03/05/21 10:45
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-8

Matrix: Solid
Percent Solids: 82.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Benzo[a]anthracene	**0.0065**	**J**	0.040	0.0054	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Benzo[b]fluoranthene	**0.012**	**J**	0.040	0.0086	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Benzo[g,h,i]perylene	<0.040	*+	0.040	0.013	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Dibenz(a,h)anthracene	<0.040	*+	0.040	0.0077	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Fluoranthene	**0.012**	**J**	0.040	0.0074	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1

Client Sample ID: VM-8(5-10)-030521
Date Collected: 03/05/21 10:45
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-8
Matrix: Solid
Percent Solids: 82.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040	*+	0.040	0.010	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Phenanthrene	**0.0062**	**J**	0.040	0.0056	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1
Pyrene	**0.011**	**J**	0.040	0.0079	mg/Kg	☼	03/10/21 08:50	03/11/21 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*31 - 143*	*03/10/21 08:50*	*03/11/21 01:28*	*1*
2-Fluorobiphenyl	*85*		*43 - 145*	*03/10/21 08:50*	*03/11/21 01:28*	*1*
2-Fluorophenol	*105*		*31 - 166*	*03/10/21 08:50*	*03/11/21 01:28*	*1*
Nitrobenzene-d5	*97*		*37 - 147*	*03/10/21 08:50*	*03/11/21 01:28*	*1*
Phenol-d5	*92*		*30 - 153*	*03/10/21 08:50*	*03/11/21 01:28*	*1*
Terphenyl-d14	*78*		*42 - 157*	*03/10/21 08:50*	*03/11/21 01:28*	*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		03/11/21 16:42	03/12/21 10:40	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		03/11/21 16:42	03/12/21 10:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:42	03/12/21 10:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:42	03/12/21 10:40	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:40	1
Cobalt	**0.032**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:40	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:40	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:42	03/12/21 10:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:42	03/12/21 10:40	1
Manganese	**9.7**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:40	1
Nickel	**0.036**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:40	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:42	03/12/21 10:40	1
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:40	1
Zinc	**0.020**	**J**	0.50	0.020	mg/L		03/11/21 16:42	03/12/21 10:40	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/11/21 16:46	03/12/21 12:09	1
Barium	<0.50		0.50	0.050	mg/L		03/11/21 16:46	03/12/21 12:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:46	03/12/21 12:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:46	03/12/21 12:09	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:09	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:09	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:09	1
Iron	**0.25**	**J**	0.40	0.20	mg/L		03/11/21 16:46	03/12/21 12:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:46	03/12/21 12:09	1
Manganese	**0.013**	**J**	0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:09	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:09	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:46	03/12/21 12:09	1

Client Sample ID: VM-8(5-10)-030521

Date Collected: 03/05/21 10:45
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-8

Matrix: Solid
Percent Solids: 82.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:09	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:46	03/12/21 12:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.0**	**J ^6+**	1.2	0.23	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Arsenic	**7.1**		0.59	0.20	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Barium	**54**		0.59	0.068	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Beryllium	**0.90**		0.24	0.055	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Cadmium	**0.16**	**B**	0.12	0.021	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Calcium	**31000**	**B**	12	2.0	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Chromium	**19**		0.59	0.29	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Cobalt	**14**		0.30	0.078	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Copper	**24**		0.59	0.17	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Iron	**21000**		12	6.2	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Lead	**17**		0.30	0.14	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Magnesium	**20000**		5.9	2.9	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Manganese	**450**		0.59	0.086	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Nickel	**35**		0.59	0.17	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Potassium	**2500**		30	11	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Silver	**0.40**		0.30	0.077	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Sodium	**140**	**B**	59	8.8	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Thallium	**0.38**	**J**	0.59	0.30	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Vanadium	**25**		0.30	0.070	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1
Zinc	**62**		1.2	0.52	mg/Kg	☼	03/09/21 17:33	03/10/21 18:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 09:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 11:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**		0.019	0.0062	mg/Kg	☼	03/09/21 13:20	03/10/21 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			03/10/21 16:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-195716-1

Client Sample ID: VM-7(0-6)-030521
Date Collected: 03/05/21 11:05
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-9
Matrix: Solid
Percent Solids: 83.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Acetone	**0.019**		0.017	0.0076	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Methyl Ethyl Ketone	**0.0032**	**J**	0.0044	0.0019	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	03/06/21 12:07	03/11/21 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*	*03/06/21 12:07*	*03/11/21 18:06*	*1*
4-Bromofluorobenzene (Surr)	*90*		*75 - 131*	*03/06/21 12:07*	*03/11/21 18:06*	*1*
Dibromofluoromethane	*98*		*75 - 126*	*03/06/21 12:07*	*03/11/21 18:06*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*03/06/21 12:07*	*03/11/21 18:06*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1

Client Sample ID: VM-7(0-6)-030521

Date Collected: 03/05/21 11:05
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-9

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	<0.39		0.39	0.090	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Benzo[a]anthracene	**0.016**	**J**	0.039	0.0053	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Benzo[a]pyrene	**0.026**	**J**	0.039	0.0076	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Benzo[b]fluoranthene	**0.031**	**J**	0.039	0.0085	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Benzo[g,h,i]perylene	**0.013**	**J *+**	0.039	0.013	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Chrysene	**0.025**	**J**	0.039	0.011	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Dibenz(a,h)anthracene	<0.039	*+	0.039	0.0076	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Fluoranthene	**0.039**		0.039	0.0073	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1

Client Sample ID: VM-7(0-6)-030521
Date Collected: 03/05/21 11:05
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-9
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	**0.014**	**J *+**	0.039	0.010	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Phenanthrene	**0.019**	**J**	0.039	0.0055	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1
Pyrene	**0.040**		0.039	0.0078	mg/Kg	☼	03/10/21 08:50	03/11/21 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*31 - 143*	*03/10/21 08:50*	*03/11/21 01:53*	*1*
2-Fluorobiphenyl	*90*		*43 - 145*	*03/10/21 08:50*	*03/11/21 01:53*	*1*
2-Fluorophenol	*102*		*31 - 166*	*03/10/21 08:50*	*03/11/21 01:53*	*1*
Nitrobenzene-d5	*101*		*37 - 147*	*03/10/21 08:50*	*03/11/21 01:53*	*1*
Phenol-d5	*93*		*30 - 153*	*03/10/21 08:50*	*03/11/21 01:53*	*1*
Terphenyl-d14	*80*		*42 - 157*	*03/10/21 08:50*	*03/11/21 01:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/11/21 16:42	03/12/21 10:43	1
Barium	**0.51**		0.50	0.050	mg/L		03/11/21 16:42	03/12/21 10:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:42	03/12/21 10:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:42	03/12/21 10:43	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:43	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:43	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:43	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:42	03/12/21 10:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:42	03/12/21 10:43	1
Manganese	**6.1**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:43	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:43	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:42	03/12/21 10:43	1
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:43	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:42	03/12/21 10:43	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.031**	**J**	0.050	0.010	mg/L		03/11/21 16:46	03/12/21 12:18	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		03/11/21 16:46	03/12/21 12:18	1
Beryllium	**0.0054**		0.0040	0.0040	mg/L		03/11/21 16:46	03/12/21 12:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:46	03/12/21 12:18	1
Chromium	**0.10**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:18	1
Cobalt	**0.044**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:18	1
Copper	**0.13**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:18	1
Iron	**110**		0.40	0.20	mg/L		03/11/21 16:46	03/12/21 12:18	1
Lead	**0.064**		0.0075	0.0075	mg/L		03/11/21 16:46	03/12/21 12:18	1
Manganese	**1.0**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:18	1
Nickel	**0.13**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:18	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:46	03/12/21 12:18	1

Client Sample ID: VM-7(0-6)-030521

Date Collected: 03/05/21 11:05
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-9

Matrix: Solid
Percent Solids: 83.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:18	1
Zinc	**0.25**	**J**	0.50	0.020	mg/L		03/11/21 16:46	03/12/21 12:18	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.0**	**J ^6+**	1.1	0.21	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Arsenic	**9.2**		0.55	0.19	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Barium	**56**		0.55	0.063	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Beryllium	**0.93**		0.22	0.052	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Cadmium	**0.15**	**B**	0.11	0.020	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Calcium	**65000**		55	9.4	mg/Kg	☼	03/09/21 17:33	03/11/21 16:21	5
Chromium	**18**		0.55	0.27	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Cobalt	**14**		0.28	0.072	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Copper	**26**		0.55	0.15	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Iron	**22000**		11	5.7	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Lead	**16**		0.28	0.13	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Magnesium	**27000**		5.5	2.7	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Manganese	**420**		0.55	0.080	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Nickel	**33**		0.55	0.16	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Potassium	**2600**		28	9.8	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Silver	**0.30**		0.28	0.071	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Sodium	**410**	**B**	55	8.2	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Thallium	**0.47**	**J**	0.55	0.28	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Vanadium	**25**		0.28	0.065	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1
Zinc	**64**		1.1	0.48	mg/Kg	☼	03/09/21 17:33	03/10/21 18:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 09:58	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00050		0.00050	0.00050	mg/L		03/11/21 12:00	03/12/21 11:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.018	0.0061	mg/Kg	☼	03/09/21 13:20	03/10/21 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.9**		0.2	0.2	SU			03/10/21 16:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-195716-1

Client Sample ID: VM-9(0-5)-030521
Date Collected: 03/05/21 11:15
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-10
Matrix: Solid
Percent Solids: 84.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Acetone	**0.018**		0.016	0.0071	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Methyl Ethyl Ketone	**0.0031**	**J**	0.0041	0.0018	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	03/06/21 12:07	03/11/21 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*	*03/06/21 12:07*	*03/11/21 18:32*	*1*
4-Bromofluorobenzene (Surr)	*92*		*75 - 131*	*03/06/21 12:07*	*03/11/21 18:32*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*03/06/21 12:07*	*03/11/21 18:32*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*03/06/21 12:07*	*03/11/21 18:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1

Client Sample ID: VM-9(0-5)-030521
Date Collected: 03/05/21 11:15
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-10
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Benzo[g,h,i]perylene	<0.039	*+	0.039	0.013	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Dibenz(a,h)anthracene	<0.039	*+	0.039	0.0075	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1

Client Sample ID: VM-9(0-5)-030521

Date Collected: 03/05/21 11:15
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-10

Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039	*+	0.039	0.010	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	03/10/21 08:50	03/11/21 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*57*		*31 - 143*	*03/10/21 08:50*	*03/11/21 02:19*	*1*
2-Fluorobiphenyl	*60*		*43 - 145*	*03/10/21 08:50*	*03/11/21 02:19*	*1*
2-Fluorophenol	*70*		*31 - 166*	*03/10/21 08:50*	*03/11/21 02:19*	*1*
Nitrobenzene-d5	*68*		*37 - 147*	*03/10/21 08:50*	*03/11/21 02:19*	*1*
Phenol-d5	*59*		*30 - 153*	*03/10/21 08:50*	*03/11/21 02:19*	*1*
Terphenyl-d14	*57*		*42 - 157*	*03/10/21 08:50*	*03/11/21 02:19*	*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		03/11/21 16:42	03/12/21 10:47	1
Barium	**0.50**		0.50	0.050	mg/L		03/11/21 16:42	03/12/21 10:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:42	03/12/21 10:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:42	03/12/21 10:47	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:47	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:47	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:47	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:42	03/12/21 10:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:42	03/12/21 10:47	1
Manganese	**5.9**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:47	1
Nickel	**0.025**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:47	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:42	03/12/21 10:47	1
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:47	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:42	03/12/21 10:47	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/11/21 16:46	03/12/21 12:21	1
Barium	**0.093**	**J**	0.50	0.050	mg/L		03/11/21 16:46	03/12/21 12:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:46	03/12/21 12:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:46	03/12/21 12:21	1
Chromium	**0.023**	**J**	0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:21	1
Cobalt	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:21	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:21	1
Iron	**17**		0.40	0.20	mg/L		03/11/21 16:46	03/12/21 12:21	1
Lead	**0.010**		0.0075	0.0075	mg/L		03/11/21 16:46	03/12/21 12:21	1
Manganese	**0.15**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:21	1
Nickel	**0.021**	**J**	0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:21	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:46	03/12/21 12:21	1

Client Sample ID: VM-9(0-5)-030521

Date Collected: 03/05/21 11:15
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-10

Matrix: Solid
Percent Solids: 84.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:21	1
Zinc	**0.043**	**J**	0.50	0.020	mg/L		03/11/21 16:46	03/12/21 12:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.67**	**J**	1.1	0.22	mg/Kg	☼	03/09/21 17:33	03/11/21 16:24	1
Arsenic	**7.7**		0.56	0.19	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Barium	**72**		0.56	0.064	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Beryllium	**0.95**		0.22	0.052	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Cadmium	**0.14**	**B**	0.11	0.020	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Calcium	**31000**	**B**	11	1.9	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Chromium	**20**		0.56	0.28	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Cobalt	**14**		0.28	0.073	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Copper	**25**		0.56	0.16	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Iron	**22000**		11	5.8	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Lead	**14**		0.28	0.13	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Magnesium	**21000**		5.6	2.8	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Manganese	**360**		0.56	0.081	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Nickel	**36**		0.56	0.16	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Potassium	**2700**		28	9.9	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Silver	**0.40**		0.28	0.072	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Sodium	**1600**	**B**	56	8.3	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Thallium	**0.49**	**J**	0.56	0.28	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Vanadium	**26**		0.28	0.066	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1
Zinc	**65**		1.1	0.49	mg/Kg	☼	03/09/21 17:33	03/10/21 18:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 10:01	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 11:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**		0.017	0.0058	mg/Kg	☼	03/09/21 13:20	03/10/21 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			03/10/21 16:57	1

Client Sample ID: VM-6(0-4)-030521
Date Collected: 03/05/21 11:25
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-11
Matrix: Solid
Percent Solids: 74.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00069	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00065	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00088	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
1,1-Dichloroethane	<0.0020		0.0020	0.00070	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
1,1-Dichloroethene	<0.0020		0.0020	0.00070	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
1,2-Dichloroethane	<0.0051		0.0051	0.0016	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
1,2-Dichloropropane	<0.0020		0.0020	0.00053	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00072	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
2-Hexanone	<0.0051		0.0051	0.0016	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Acetone	**0.031**		0.020	0.0089	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Benzene	<0.0020		0.0020	0.00052	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Bromodichloromethane	<0.0020		0.0020	0.00042	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Bromoform	<0.0020		0.0020	0.00060	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Bromomethane	<0.0051		0.0051	0.0019	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Carbon disulfide	<0.0051		0.0051	0.0011	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Carbon tetrachloride	<0.0020		0.0020	0.00059	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Chlorobenzene	<0.0020		0.0020	0.00075	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Chloroethane	<0.0051		0.0051	0.0015	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Chloroform	<0.0020		0.0020	0.00071	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Chloromethane	<0.0051		0.0051	0.0021	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00057	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00062	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Dibromochloromethane	<0.0020		0.0020	0.00067	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Ethylbenzene	<0.0020		0.0020	0.00098	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Methyl Ethyl Ketone	**0.0062**		0.0051	0.0023	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
methyl isobutyl ketone	<0.0051		0.0051	0.0015	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00060	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Methylene Chloride	<0.0051		0.0051	0.0020	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Styrene	<0.0020		0.0020	0.00062	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Tetrachloroethene	<0.0020		0.0020	0.00070	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Toluene	<0.0020		0.0020	0.00052	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00091	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00072	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Trichloroethene	<0.0020		0.0020	0.00069	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Vinyl chloride	<0.0020		0.0020	0.00090	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1
Xylenes, Total	<0.0041		0.0041	0.00065	mg/Kg	☼	03/06/21 12:07	03/11/21 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*	*03/06/21 12:07*	*03/11/21 18:58*	*1*
4-Bromofluorobenzene (Surr)	*89*		*75 - 131*	*03/06/21 12:07*	*03/11/21 18:58*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*03/06/21 12:07*	*03/11/21 18:58*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*03/06/21 12:07*	*03/11/21 18:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.23		0.23	0.048	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
1,2-Dichlorobenzene	<0.23		0.23	0.054	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
1,3-Dichlorobenzene	<0.23		0.23	0.050	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
1,4-Dichlorobenzene	<0.23		0.23	0.057	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2,2'-oxybis[1-chloropropane]	<0.23		0.23	0.052	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1

Client Sample ID: VM-6(0-4)-030521
Date Collected: 03/05/21 11:25
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-11
Matrix: Solid
Percent Solids: 74.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.44		0.44	0.10	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2,4,6-Trichlorophenol	<0.44		0.44	0.15	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2,4-Dichlorophenol	<0.44		0.44	0.11	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2,4-Dimethylphenol	<0.44		0.44	0.17	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2,4-Dinitrophenol	<0.90		0.90	0.79	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2,4-Dinitrotoluene	<0.23		0.23	0.071	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2,6-Dinitrotoluene	<0.23		0.23	0.088	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2-Chloronaphthalene	<0.23		0.23	0.049	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2-Chlorophenol	<0.23		0.23	0.076	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2-Methylnaphthalene	<0.090		0.090	0.0082	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2-Methylphenol	<0.23		0.23	0.072	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2-Nitroaniline	<0.23		0.23	0.060	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
2-Nitrophenol	<0.44		0.44	0.11	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
3 & 4 Methylphenol	<0.23		0.23	0.075	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
3,3'-Dichlorobenzidine	<0.23		0.23	0.063	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
3-Nitroaniline	<0.44		0.44	0.14	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
4,6-Dinitro-2-methylphenol	<0.90		0.90	0.36	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
4-Bromophenyl phenyl ether	<0.23		0.23	0.059	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
4-Chloro-3-methylphenol	<0.44		0.44	0.15	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
4-Chloroaniline	<0.90		0.90	0.21	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
4-Chlorophenyl phenyl ether	<0.23		0.23	0.052	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
4-Nitroaniline	<0.44		0.44	0.19	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
4-Nitrophenol	<0.90		0.90	0.43	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Acenaphthene	<0.044		0.044	0.0080	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Acenaphthylene	<0.044		0.044	0.0059	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Anthracene	<0.044		0.044	0.0075	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Benzo[a]anthracene	<0.044		0.044	0.0060	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Benzo[a]pyrene	<0.044		0.044	0.0087	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Benzo[b]fluoranthene	<0.044		0.044	0.0097	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Benzo[g,h,i]perylene	<0.044	*+	0.044	0.014	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Benzo[k]fluoranthene	<0.044		0.044	0.013	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Bis(2-chloroethoxy)methane	<0.23		0.23	0.046	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Bis(2-chloroethyl)ether	<0.23		0.23	0.067	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Bis(2-ethylhexyl) phthalate	<0.23		0.23	0.082	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Butyl benzyl phthalate	<0.23		0.23	0.085	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Carbazole	<0.23		0.23	0.11	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Chrysene	<0.044		0.044	0.012	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Dibenz(a,h)anthracene	<0.044	*+	0.044	0.0087	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Dibenzofuran	<0.23		0.23	0.052	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Diethyl phthalate	<0.23		0.23	0.076	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Dimethyl phthalate	<0.23		0.23	0.059	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Di-n-butyl phthalate	<0.23		0.23	0.068	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Di-n-octyl phthalate	<0.23		0.23	0.073	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Fluoranthene	<0.044		0.044	0.0083	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Fluorene	<0.044		0.044	0.0063	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Hexachlorobenzene	<0.090		0.090	0.010	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Hexachlorobutadiene	<0.23		0.23	0.070	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Hexachlorocyclopentadiene	<0.90		0.90	0.26	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Hexachloroethane	<0.23		0.23	0.068	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1

Client Sample ID: VM-6(0-4)-030521
Date Collected: 03/05/21 11:25
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-11
Matrix: Solid
Percent Solids: 74.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.044	*+	0.044	0.012	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Isophorone	<0.23		0.23	0.050	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Naphthalene	<0.044		0.044	0.0069	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Nitrobenzene	<0.044		0.044	0.011	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
N-Nitrosodi-n-propylamine	<0.090		0.090	0.055	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
N-Nitrosodiphenylamine	<0.23		0.23	0.053	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Pentachlorophenol	<0.90		0.90	0.72	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Phenanthrene	<0.044		0.044	0.0062	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Phenol	<0.23		0.23	0.099	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1
Pyrene	<0.044		0.044	0.0089	mg/Kg	☼	03/10/21 08:50	03/11/21 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*31 - 143*	*03/10/21 08:50*	*03/11/21 02:44*	*1*
2-Fluorobiphenyl	*85*		*43 - 145*	*03/10/21 08:50*	*03/11/21 02:44*	*1*
2-Fluorophenol	*102*		*31 - 166*	*03/10/21 08:50*	*03/11/21 02:44*	*1*
Nitrobenzene-d5	*100*		*37 - 147*	*03/10/21 08:50*	*03/11/21 02:44*	*1*
Phenol-d5	*88*		*30 - 153*	*03/10/21 08:50*	*03/11/21 02:44*	*1*
Terphenyl-d14	*82*		*42 - 157*	*03/10/21 08:50*	*03/11/21 02:44*	*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		03/11/21 16:42	03/12/21 10:50	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		03/11/21 16:42	03/12/21 10:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/11/21 16:42	03/12/21 10:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:42	03/12/21 10:50	1
Chromium	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:50	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:50	1
Copper	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:50	1
Iron	<0.40		0.40	0.20	mg/L		03/11/21 16:42	03/12/21 10:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/11/21 16:42	03/12/21 10:50	1
Manganese	**4.1**		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:50	1
Nickel	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:50	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:42	03/12/21 10:50	1
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:42	03/12/21 10:50	1
Zinc	<0.50		0.50	0.020	mg/L		03/11/21 16:42	03/12/21 10:50	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.015**	**J**	0.050	0.010	mg/L		03/11/21 16:46	03/12/21 12:25	1
Barium	**0.66**		0.50	0.050	mg/L		03/11/21 16:46	03/12/21 12:25	1
Beryllium	**0.0059**		0.0040	0.0040	mg/L		03/11/21 16:46	03/12/21 12:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/11/21 16:46	03/12/21 12:25	1
Chromium	**0.13**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:25	1
Cobalt	**0.035**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:25	1
Copper	**0.12**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:25	1
Iron	**120**		0.40	0.20	mg/L		03/11/21 16:46	03/12/21 12:25	1
Lead	**0.059**		0.0075	0.0075	mg/L		03/11/21 16:46	03/12/21 12:25	1
Manganese	**1.2**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:25	1
Nickel	**0.10**		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/11/21 16:46	03/12/21 12:25	1

Client Sample ID: VM-6(0-4)-030521

Date Collected: 03/05/21 11:25
Date Received: 03/05/21 16:08

Lab Sample ID: 500-195716-11

Matrix: Solid
Percent Solids: 74.0

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/11/21 16:46	03/12/21 12:25	1
Zinc	**0.31**	**J**	0.50	0.020	mg/L		03/11/21 16:46	03/12/21 12:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.71**	**J**	1.3	0.26	mg/Kg	☼	03/09/21 17:33	03/11/21 16:28	1
Arsenic	**5.7**		0.67	0.23	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Barium	**120**		0.67	0.077	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Beryllium	**1.1**		0.27	0.063	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Cadmium	**0.10**	**J B**	0.13	0.024	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Calcium	**3700**	**B**	13	2.3	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Chromium	**22**		0.67	0.33	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Cobalt	**12**		0.34	0.088	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Copper	**19**		0.67	0.19	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Iron	**23000**		13	7.0	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Lead	**17**		0.34	0.16	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Magnesium	**4300**		6.7	3.3	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Manganese	**380**		0.67	0.098	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Nickel	**27**		0.67	0.20	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Potassium	**1800**		34	12	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Selenium	<0.67		0.67	0.40	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Silver	**0.49**		0.34	0.087	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Sodium	**310**	**B**	67	10	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Thallium	<0.67		0.67	0.34	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Vanadium	**33**		0.34	0.080	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1
Zinc	**72**		1.3	0.59	mg/Kg	☼	03/09/21 17:33	03/10/21 18:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/11/21 12:00	03/12/21 10:03	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0010		0.0010	0.0010	mg/L		03/11/21 12:00	03/12/21 11:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.020	0.0068	mg/Kg	☼	03/09/21 13:20	03/10/21 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			03/10/21 17:02	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009

Job ID: 500-195716-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control 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
^6+	Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, high biased.
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.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Chain of Custody Record 512761

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: TAL-8210

Client Contact	Project Manager: Andris Siesers	Site Contact: T. Oberman	Date:	COC No:
Company Name: Weston	Tel/Email:	Lab Contact: B. Wright	Carrier:	1 of 1 COCs
Address: 300 Plaza Circle	Analysis Turnaround Time			Sampler:
City/State/Zip: Mundelein IL 60060	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day — Standard			Lab Sampling:
Project Name: IDOT Grayslake				Job / SDG No.: 500-195716
Site: Vulcan Materials			500-195716 COC	
PO # 02056.016.009				

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	PH	Sample Specific Notes:
1	VM-10(0-6)-030521	3/5/21	0830	G	S	6			X	X	X	X	X	
2	VM-12(0-6)-030521		0920											
3	VM-12(0-6)-030521D		0920											
4	VM-13(0-5)-030521		0945											
5	VM-11(0-5)-030521		1000											
6	VM-11(5-10)-030521		1010											
7	VM-8(0-5)-030521		1035											
8	VM-8(5-10)-030521		1045											
9	VM-7(0-6)-030521		1105											
10	VM-9(0-5)-030521		1115											
11	VM-6(0-4)-030521		1125											
12	~~Trip blank~~ RCW 3/9/21													ADDED BY LAB - CANCELLED 3/9/21

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 5.7, 4.8 Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Taylor Oberman	Weston	3/5/21 1335	P. Neal	EA	3/5/21 1335
Relinquished by: P. Neal	Company: EA	Date/Time: 3/5/21 1603	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Paula Bleby	Company: EA	Date/Time: 3/5/21 1608

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Canadian Pacific Railroad and Metra - 800-900 blocks of S. IL 83 (ISGS Site No. 3079V2-58)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.3247 (Decimal Degrees) Longitude: - 88.02122 (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 942

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: FAP 866 - IL 83 at IL 137 Latitude: 42.32470 Longitude: - 88.02122

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 HI-3, CM-1 AND CM-2 WERE SAMPLED ALONG THE CANADIAN PACIFIC RAILROAD AND METRA ROW. SEE FIGURES 3-1,3-2, AND 3-5 AND TABLE 4-1 OF THE PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-176710-1, 500-221122-1, and 500-177004-1. ALSO SEE FIGURES 4-1,4-2, AND 4-5 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Canadian Pacific Railroad and Metra (ISGS Site No. 3079V-58)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CM-1	CM-2	HI-3	HI-3
Sample Date		1/21/2020	1/21/2020	1/27/2020	8/18/2022
Field Sample ID		CM-1(0-3)-012120	CM-2(0-3)-012120	HI-3(0-6)-012720	HI-3(6-12)-081822
ISGS Site No.		3079V-58	3079V-58	3079V-61	3079V-61
Laboratory pH	<6.25, >9.0	8.8	8.3	8.0	8.5
VOCs		**No Exceedances**			
SVOCs (mg/kg)					
2,4,5-Trichlorophenol	26	ND	ND	0.19 J	ND
2,4,6-Trichlorophenol	0.66	ND	ND	0.19 J	ND
2,4-Dichlorophenol	1	ND	ND	0.16 J	ND
2-Methylnaphthalene	---	ND	0.012 J	0.027 J	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND
Acenaphthene	570	ND	ND	0.06	ND
Acenaphthylene	---	ND	ND	0.045	ND
Anthracene	12000	ND	0.0092 J	0.056	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.022 J	0.035 J	0.048	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.035 J	0.047	0.1	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.049	0.066	0.14	ND
Benzo(g,h,i)perylene	---	0.017 J	0.026 J	0.063	ND
Benzo(k)fluoranthene	9	0.017 J	0.021 J	0.04 J	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND
Chrysene	88	0.031 J	0.047	0.075	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND	0.023 J	ND
Dibenzofuran	---	ND	ND	0.081 J	ND
Di-N-Butyl phthalate	2300	ND	ND	0.081 J	ND
Fluoranthene	3100	0.048	0.064	0.13	ND
Fluorene	560	ND	ND	0.028 J	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.021 J	0.028 J	0.06	ND
Naphthalene	1.8	ND	0.0072 J	0.056	ND
Pentachlorophenol	0.03	ND	ND	ND	ND
Phenanthrene	---	0.024 J	0.078	0.08	0.006 J
Pyrene	2300	0.037 J	0.052	0.092	ND
Pesticides (mg/kg)					
4,4-DDD	3	---	---	---	---
4,4-DDE	2	---	---	---	---
Dieldrin	0.603	---	---	---	---
PCBs (mg/kg)					
Aroclor-1248	1	---	---	---	---
Total Inorganics (mg/kg)					
Aluminum, Total	---	ND	ND	ND	ND
Antimony, Total	5	0.4 J	0.43 J	0.84 J	0.31 J
Arsenic, Total	11.3 / 13.0	5.6	7.1	7.7	6.4
Barium, Total	1500	52	81	59	36
Beryllium, Total	22	0.9	1	1	0.68
Cadmium, Total	5.2	0.19	0.36	0.23	ND
Calcium, Total	---	75000 B	15000 B	17000 B	76000 B
Chromium, Total	21	21	21	22	15
Cobalt, Total	20	13	14	14	11
Copper, Total	2900	19	26	23	24
Cyanide, Total	0.2	---	---	---	---
Iron, Total	15000 / 15900	18000	20000	22000	18000
Lead, Total	107	13	49	19	13
Magnesium, Total	325000	30000	11000	12000	30000 B
Manganese, Total	630 / 636	360	530	390	380
Mercury, Total	0.89	0.023	0.038 J	0.024	0.019
Nickel, Total	100	33	31	33	28
Potassium, Total	---	3300	2700	3000	1700
Selenium, Total	1.3	ND	0.51 J	0.62	ND
Silver, Total	4.4	2.9 B	3.4 B	3.5	0.23 J
Sodium, Total	---	860	520	1400	270
Thallium, Total	2.6	ND	ND	ND	ND
Vanadium, Total	550	24	29	32	18
Zinc, Total	5100	60	100	76	51 J

Summary Table of Canadian Pacific Railroad and Metra (ISGS Site No. 3079V-58)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	CM-1	CM-2	HI-3	HI-3
Sample Date		1/21/2020	1/21/2020	1/27/2020	8/18/2022
Field Sample ID		CM-1(0-3)-012120	CM-2(0-3)-012120	HI-3(0-6)-012720	HI-3(6-12)-081822
ISGS Site No.		3079V-58	3079V-58	3079V-61	3079V-61
TCLP Metals (mg/l)					
Arsenic, TCLP	0.05	ND	ND	ND	ND
Barium, TCLP	2	0.34 J	0.33 J	0.45 J	0.3 J
Beryllium, TCLP	0.004	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	0.024 J	ND
Copper, TCLP	0.65	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	0.24 J
Lead, TCLP	0.0075	ND	ND	ND	ND
Manganese, TCLP	0.15	0.095	0.52	9	0.93
Mercury, TCLP	0.002	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	0.013 J	ND
Selenium, TCLP	0.05	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND
Zinc, TCLP	5	ND	0.21 J	0.17 J	ND
SPLP Metals (mg/l)					
Arsenic, SPLP	0.05	0.052	0.027 J	0.059	0.073
Barium, SPLP	2	0.49 J	0.31 J	0.58	0.5
Beryllium, SPLP	0.004	0.0074	0.0043	0.0074	0.0083
Cadmium, SPLP	0.005	ND	ND	ND	ND
Chromium, SPLP	0.1	0.15	0.093	0.15	0.16
Cobalt, SPLP	1	0.039	0.019 J	0.065	0.058
Copper, SPLP	0.65	0.17	0.085	0.21	0.26
Iron, SPLP	5	140	81	150	190
Lead, SPLP	0.0075	0.12	0.1	0.11	0.091
Manganese, SPLP	0.15	0.6	0.49	1.4	0.9
Mercury, SPLP	0.002	0.00028	ND	ND	ND
Nickel, SPLP	0.1	0.16	0.091	0.19	0.23
Selenium, SPLP	0.05	ND	ND	ND	ND
Silver, SPLP	0.05	0.011 J	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND
Zinc, SPLP	5	0.4 J	0.41 J	0.58 B	0.46 J

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

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ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-176710-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/3/2020 3:09:19 PM
Eric Lang, Manager of Project Management
(708)534-5200
eric.lang@testamericainc.com

Designee for

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CM-2(0-3)-012120

Date Collected: 01/21/20 13:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-11

Matrix: Solid
Percent Solids: 77.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.1		2.1	0.71	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
1,1,2,2-Tetrachloroethane	<2.1		2.1	0.68	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
1,1,2-Trichloroethane	<2.1		2.1	0.91	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
1,1-Dichloroethane	<2.1		2.1	0.73	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
1,1-Dichloroethene	<2.1		2.1	0.73	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
1,2-Dichloroethane	<5.3		5.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
1,2-Dichloropropane	<2.1		2.1	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
1,3-Dichloropropene, Total	<2.1		2.1	0.74	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
2-Hexanone	<5.3		5.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Acetone	<21		21	9.2	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Benzene	<2.1		2.1	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Bromodichloromethane	<2.1		2.1	0.43	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Bromoform	<2.1		2.1	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Bromomethane	<5.3		5.3	2.0	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Carbon disulfide	<5.3		5.3	1.1	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Carbon tetrachloride	<2.1		2.1	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Chlorobenzene	<2.1		2.1	0.78	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Chloroethane	<5.3		5.3	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Chloroform	<2.1		2.1	0.74	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Chloromethane	<5.3		5.3	2.1	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
cis-1,2-Dichloroethene	<2.1		2.1	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
cis-1,3-Dichloropropene	<2.1		2.1	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Dibromochloromethane	<2.1		2.1	0.69	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Ethylbenzene	<2.1		2.1	1.0	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Methyl Ethyl Ketone	<5.3		5.3	2.4	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
methyl isobutyl ketone	<5.3		5.3	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Methyl tert-butyl ether	<2.1		2.1	0.62	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Methylene Chloride	<5.3		5.3	2.1	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Styrene	<2.1		2.1	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Tetrachloroethene	<2.1		2.1	0.72	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Toluene	<2.1		2.1	0.54	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
trans-1,2-Dichloroethene	<2.1		2.1	0.94	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
trans-1,3-Dichloropropene	<2.1		2.1	0.74	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Trichloroethene	<2.1		2.1	0.72	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Vinyl chloride	<2.1		2.1	0.94	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1
Xylenes, Total	<4.2		4.2	0.68	ug/Kg	☼	01/22/20 17:10	01/30/20 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*01/22/20 17:10*	*01/30/20 04:11*	*1*
4-Bromofluorobenzene (Surr)	*110*		*75 - 131*	*01/22/20 17:10*	*01/30/20 04:11*	*1*
Dibromofluoromethane	*89*		*75 - 126*	*01/22/20 17:10*	*01/30/20 04:11*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*01/22/20 17:10*	*01/30/20 04:11*	*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	☼	01/28/20 16:08	01/30/20 00:57	1
1,2-Dichlorobenzene	<210		210	51	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
1,4-Dichlorobenzene	<210		210	55	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1

Client Sample ID: CM-2(0-3)-012120
Date Collected: 01/21/20 13:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-11
Matrix: Solid
Percent Solids: 77.8

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	☼	01/28/20 16:08	01/30/20 00:57	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2,4-Dinitrophenol	<860		860	750	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2,4-Dinitrotoluene	<210		210	68	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2,6-Dinitrotoluene	<210		210	84	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2-Chlorophenol	<210		210	73	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2-Methylnaphthalene	**12**	**J**	86	7.8	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2-Methylphenol	<210		210	68	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
3 & 4 Methylphenol	<210		210	71	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
3,3'-Dichlorobenzidine	<210		210	60	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
4,6-Dinitro-2-methylphenol	<860		860	340	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
4-Chloro-3-methylphenol	<420		420	150	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
4-Chloroaniline	<860		860	200	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
4-Chlorophenyl phenyl ether	<210		210	50	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
4-Nitrophenol	<860	*	860	410	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Acenaphthene	<42		42	7.7	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Acenaphthylene	<42		42	5.6	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Anthracene	**9.2**	**J**	42	7.1	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Benzo[a]anthracene	**35**	**J**	42	5.7	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Benzo[a]pyrene	**47**		42	8.3	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Benzo[b]fluoranthene	**66**		42	9.2	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Benzo[g,h,i]perylene	**26**	**J**	42	14	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Benzo[k]fluoranthene	**21**	**J**	42	13	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Bis(2-chloroethoxy)methane	<210		210	44	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Bis(2-chloroethyl)ether	<210		210	64	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Bis(2-ethylhexyl) phthalate	<210		210	78	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Butyl benzyl phthalate	<210		210	81	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Carbazole	<210		210	110	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Chrysene	**47**		42	12	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Dibenz(a,h)anthracene	<42		42	8.2	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Dibenzofuran	<210		210	50	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Diethyl phthalate	<210	*	210	72	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Dimethyl phthalate	<210		210	56	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Di-n-butyl phthalate	<210		210	65	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Di-n-octyl phthalate	<210		210	70	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Fluoranthene	**64**		42	7.9	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Fluorene	<42		42	6.0	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Hexachlorobenzene	<86		86	9.9	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Hexachlorobutadiene	<210		210	67	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Hexachlorocyclopentadiene	<860		860	250	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Hexachloroethane	<210		210	65	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1

Client Sample ID: CM-2(0-3)-012120

Date Collected: 01/21/20 13:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-11

Matrix: Solid
Percent Solids: 77.8

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	**28**	**J**	42	11	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Isophorone	<210		210	48	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Naphthalene	**7.2**	**J**	42	6.6	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Nitrobenzene	<42	*	42	11	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
N-Nitrosodi-n-propylamine	<86		86	52	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Pentachlorophenol	<860		860	680	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Phenanthrene	**78**		42	5.9	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Phenol	<210		210	95	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1
Pyrene	**52**		42	8.5	ug/Kg	☼	01/28/20 16:08	01/30/20 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*31 - 143*	*01/28/20 16:08*	*01/30/20 00:57*	*1*
2-Fluorobiphenyl	*91*		*43 - 145*	*01/28/20 16:08*	*01/30/20 00:57*	*1*
2-Fluorophenol	*83*		*31 - 166*	*01/28/20 16:08*	*01/30/20 00:57*	*1*
Nitrobenzene-d5	*84*		*37 - 147*	*01/28/20 16:08*	*01/30/20 00:57*	*1*
Phenol-d5	*89*		*30 - 153*	*01/28/20 16:08*	*01/30/20 00:57*	*1*
Terphenyl-d14	*118*		*42 - 157*	*01/28/20 16:08*	*01/30/20 00:57*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 16:42	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 16:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 16:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 16:42	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:42	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:42	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:42	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 16:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 16:42	1
Manganese	**0.52**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:42	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:42	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 16:42	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:42	1
Zinc	**0.21**	**J B**	0.50	0.020	mg/L		01/28/20 15:25	01/29/20 16:42	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.027**	**J**	0.050	0.010	mg/L		01/28/20 15:20	01/30/20 01:00	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 01:00	1
Beryllium	**0.0043**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 01:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 01:00	1
Chromium	**0.093**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:00	1
Cobalt	**0.019**	**J**	0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:00	1
Copper	**0.085**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:00	1
Iron	**81**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 01:00	1
Lead	**0.10**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 01:00	1
Manganese	**0.49**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:00	1
Nickel	**0.091**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:00	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 01:00	1

Client Sample ID: CM-2(0-3)-012120

Date Collected: 01/21/20 13:00
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-11

Matrix: Solid
Percent Solids: 77.8

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:00	1
Zinc	**0.41**	**J**	0.50	0.020	mg/L		01/28/20 15:20	01/30/20 01:00	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.43**	**J**	1.2	0.24	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Arsenic	**7.1**		0.61	0.21	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Barium	**81**		0.61	0.069	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Beryllium	**1.0**		0.24	0.057	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Cadmium	**0.36**		0.12	0.022	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Calcium	**15000**	**B**	12	2.1	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Chromium	**21**		0.61	0.30	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Cobalt	**14**		0.30	0.080	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Copper	**26**		0.61	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Iron	**20000**		12	6.3	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Lead	**49**		0.30	0.14	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Magnesium	**11000**		6.1	3.0	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Manganese	**530**		0.61	0.088	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Nickel	**31**		0.61	0.18	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Potassium	**2700**		30	11	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Selenium	**0.51**	**J**	0.61	0.36	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Silver	**3.4**	**B**	0.30	0.078	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Sodium	**520**		61	9.0	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Thallium	<0.61		0.61	0.30	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Vanadium	**29**		0.30	0.072	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1
Zinc	**100**		1.2	0.53	mg/Kg	☼	01/24/20 07:28	01/28/20 21:17	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 11:12	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20	F1	0.20	0.20	ug/L		01/31/20 11:00	02/03/20 12:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**38**		21	6.8	ug/Kg	☼	01/30/20 15:00	01/31/20 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			01/28/20 16:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Client Sample ID: CM-1(0-3)-012120
Date Collected: 01/21/20 12:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-12
Matrix: Solid
Percent Solids: 82.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
1,2-Dichloroethane	<4.3		4.3	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
2-Hexanone	<4.3		4.3	1.4	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Acetone	<17		17	7.5	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Chloroethane	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1
Xylenes, Total	<3.5		3.5	0.55	ug/Kg	☼	01/22/20 17:10	01/30/20 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*01/22/20 17:10*	*01/30/20 04:36*	*1*
4-Bromofluorobenzene (Surr)	*106*		*75 - 131*	*01/22/20 17:10*	*01/30/20 04:36*	*1*
Dibromofluoromethane	*88*		*75 - 126*	*01/22/20 17:10*	*01/30/20 04:36*	*1*
Toluene-d8 (Surr)	*102*		*75 - 124*	*01/22/20 17:10*	*01/30/20 04:36*	*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	☼	01/28/20 16:08	01/30/20 01:22	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1

Client Sample ID: CM-1(0-3)-012120
Date Collected: 01/21/20 12:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-12
Matrix: Solid
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2-Methylphenol	<200		200	64	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
4-Nitrophenol	<810	*	810	380	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Anthracene	<40		40	6.7	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Benzo[a]anthracene	**22**	**J**	40	5.4	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Benzo[a]pyrene	**35**	**J**	40	7.8	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Benzo[b]fluoranthene	**49**		40	8.7	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Benzo[g,h,i]perylene	**17**	**J**	40	13	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Benzo[k]fluoranthene	**17**	**J**	40	12	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Carbazole	<200		200	100	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Chrysene	**31**	**J**	40	11	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Dibenzofuran	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Diethyl phthalate	<200	*	200	68	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Fluoranthene	**48**		40	7.4	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Fluorene	<40		40	5.6	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Hexachloroethane	<200		200	61	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1

Client Sample ID: CM-1(0-3)-012120

Date Collected: 01/21/20 12:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-12

Matrix: Solid
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**21**	**J**	40	10	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Isophorone	<200		200	45	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Naphthalene	<40		40	6.2	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Nitrobenzene	<40	*	40	10	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Phenanthrene	**24**	**J**	40	5.6	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Phenol	<200		200	89	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1
Pyrene	**37**	**J**	40	8.0	ug/Kg	☼	01/28/20 16:08	01/30/20 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*114*		*31 - 143*	*01/28/20 16:08*	*01/30/20 01:22*	*1*
2-Fluorobiphenyl	*98*		*43 - 145*	*01/28/20 16:08*	*01/30/20 01:22*	*1*
2-Fluorophenol	*93*		*31 - 166*	*01/28/20 16:08*	*01/30/20 01:22*	*1*
Nitrobenzene-d5	*84*		*37 - 147*	*01/28/20 16:08*	*01/30/20 01:22*	*1*
Phenol-d5	*97*		*30 - 153*	*01/28/20 16:08*	*01/30/20 01:22*	*1*
Terphenyl-d14	*130*		*42 - 157*	*01/28/20 16:08*	*01/30/20 01:22*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/28/20 15:25	01/29/20 16:55	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		01/28/20 15:25	01/29/20 16:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/28/20 15:25	01/29/20 16:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:25	01/29/20 16:55	1
Chromium	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:55	1
Cobalt	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:55	1
Copper	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:55	1
Iron	<0.40		0.40	0.20	mg/L		01/28/20 15:25	01/29/20 16:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/28/20 15:25	01/29/20 16:55	1
Manganese	**0.095**		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:55	1
Nickel	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:55	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:25	01/29/20 16:55	1
Silver	<0.025		0.025	0.010	mg/L		01/28/20 15:25	01/29/20 16:55	1
Zinc	<0.50		0.50	0.020	mg/L		01/28/20 15:25	01/29/20 16:55	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.052**		0.050	0.010	mg/L		01/28/20 15:20	01/30/20 01:04	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		01/28/20 15:20	01/30/20 01:04	1
Beryllium	**0.0074**		0.0040	0.0040	mg/L		01/28/20 15:20	01/30/20 01:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/28/20 15:20	01/30/20 01:04	1
Chromium	**0.15**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:04	1
Cobalt	**0.039**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:04	1
Copper	**0.17**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:04	1
Iron	**140**		0.40	0.20	mg/L		01/28/20 15:20	01/30/20 01:04	1
Lead	**0.12**		0.0075	0.0075	mg/L		01/28/20 15:20	01/30/20 01:04	1
Manganese	**0.60**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:04	1
Nickel	**0.16**		0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:04	1
Selenium	<0.050		0.050	0.020	mg/L		01/28/20 15:20	01/30/20 01:04	1

Client Sample ID: CM-1(0-3)-012120

Date Collected: 01/21/20 12:50
Date Received: 01/22/20 14:15

Lab Sample ID: 500-176710-12

Matrix: Solid
Percent Solids: 82.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.011	J	0.025	0.010	mg/L		01/28/20 15:20	01/30/20 01:04	1
Zinc	0.40	J	0.50	0.020	mg/L		01/28/20 15:20	01/30/20 01:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.1	0.22	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Arsenic	5.6		0.57	0.20	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Barium	52		0.57	0.065	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Beryllium	0.90		0.23	0.053	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Cadmium	0.19		0.11	0.021	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Calcium	75000	B	110	19	mg/Kg	☼	01/24/20 07:28	01/29/20 13:05	10
Chromium	21		0.57	0.28	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Cobalt	13		0.29	0.075	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Copper	19		0.57	0.16	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Iron	18000		11	6.0	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Lead	13		0.29	0.13	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Magnesium	30000		5.7	2.8	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Manganese	360		0.57	0.083	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Nickel	33		0.57	0.17	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Potassium	3300		29	10	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Silver	2.9	B	0.29	0.074	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Sodium	860		57	8.5	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Thallium	<0.57		0.57	0.29	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Vanadium	24		0.29	0.068	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1
Zinc	60		1.1	0.50	mg/Kg	☼	01/24/20 07:28	01/28/20 21:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		01/30/20 10:35	01/31/20 11:16	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.28		0.20	0.20	ug/L		01/31/20 11:00	02/03/20 12:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		19	6.4	ug/Kg	☼	01/30/20 15:00	01/31/20 12:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			01/28/20 16:04	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176710-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6048
Phone: 708.534.5200 Fax: 708.534.5

500-176710 COC

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-764-7201
Fax:
E-Mail:

(optional)
Bill To
Contact: Same
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-176710
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 4.5, 4.3, 5.6

Client: Weston Solutions, INC
Client Project #: 02056.016.009
Project Name: IDOT Grayslake
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Max D + Taylor O.
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		CR-8(0-2)-012120	1/21/20	1140	5	S	x	x	x	x	x					
2		CR-7(0-2)-012120		1130												
3		CR-5(0-5)-012120		1045												
4		CR-5(5-9)-012120		1055												
5		CR-6(0-5)-012120		1115												
6		CR-6(5-9)-012120		1120												
7		CR-3(0-2)-012120		0940												
8		CR-4(0-5)-012120		1020												
9		CR-4(5-9)-012120		1030												
10		CR-4(5-9)-012120D		1030												

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
[signature]	Weston	1/21/20	1700	Timothy M. Walls	Weston	1-21-20	1700
Timothy M. Walls	Weston	1-22-20	1115	[signature]	TAL	1-22-20	1115
[signature]	TAL	1-22-20	1415	[signature]	TA-Chi	1/22/20	1415

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
Some T-kits have gray vial and some do not.

Lab Comments:

TAL-4124-500 (1209)

2/3/2020

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street. University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: Andris Sleseers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

(optional)
Bill To
Contact: same
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-176710
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston Solutions, INC
Client Project #: 02056.016.009
Project Name: IDOT Grayslake
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Alex D. + Taylor O.
Lab PM: Bernard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn. Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP / 4 PAH Metals	pH					Comments
11		CM-2 (0-3)-012120	1/21/20	1300	5	S		x	x	x	x	x					
12		CM-1 (0-3)-012120		1250													
13		CR-14 (0-2)-012120		1240													
14		CR-13 (0-2)-012120		1230													
15		CR-12 (0-2)-012120		1220													
16		CR-11 (0-4)-012120		1205													
17		CR-11 (0-4)-012120 D		1205													
18		CR-10 (0-3)-012120		1150													
19		CR-9 (0-2)-012120		1145													
		CR-8 (0-2)-012120		1140													listed twice

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
[signature]	Weston	1/21/20	1700	[signature]	Weston	1-21-20	1700
[signature]	Weston	1-22-20	1115	[signature]	TAL	1-22-20	1115
[signature]	TAL	1-22-20	1415	[signature]	TAL	1/22/20	1415

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: some T-limits have gray area, and some do not.

Lab Comments:

TAL-4124-500 (1209)

2/3/2020

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-177004-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/15/2020 5:45:26 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: HI-3(0-6)-012720

Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4

Matrix: Solid
Percent Solids: 78.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.1		2.1	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1,2,2-Tetrachloroethane	<2.1		2.1	0.66	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1,2-Trichloroethane	<2.1		2.1	0.89	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1-Dichloroethane	<2.1		2.1	0.71	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1-Dichloroethene	<2.1		2.1	0.71	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,2-Dichloroethane	<5.2		5.2	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,2-Dichloropropane	<2.1		2.1	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,3-Dichloropropene, Total	<2.1		2.1	0.72	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
2-Hexanone	<5.2		5.2	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Acetone	**61**		21	9.0	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Benzene	<2.1		2.1	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Bromodichloromethane	<2.1		2.1	0.42	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Bromoform	<2.1		2.1	0.60	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Bromomethane	<5.2		5.2	2.0	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Carbon disulfide	<5.2		5.2	1.1	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Carbon tetrachloride	<2.1		2.1	0.60	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chlorobenzene	<2.1		2.1	0.76	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chloroethane	<5.2		5.2	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chloroform	<2.1		2.1	0.72	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chloromethane	<5.2		5.2	2.1	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
cis-1,2-Dichloroethene	<2.1		2.1	0.58	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
cis-1,3-Dichloropropene	<2.1		2.1	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Dibromochloromethane	<2.1		2.1	0.67	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Ethylbenzene	<2.1		2.1	0.99	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Methyl Ethyl Ketone	**9.4**		5.2	2.3	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
methyl isobutyl ketone	<5.2		5.2	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Methyl tert-butyl ether	<2.1		2.1	0.61	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Methylene Chloride	<5.2		5.2	2.0	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Styrene	<2.1		2.1	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Tetrachloroethene	<2.1		2.1	0.70	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Toluene	<2.1		2.1	0.52	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
trans-1,2-Dichloroethene	<2.1		2.1	0.91	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
trans-1,3-Dichloropropene	<2.1		2.1	0.72	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Trichloroethene	<2.1		2.1	0.70	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Vinyl chloride	<2.1		2.1	0.91	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Xylenes, Total	**1.1**	**J**	4.1	0.66	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*01/28/20 17:20*	*02/06/20 13:19*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/28/20 17:20*	*02/06/20 13:19*	*1*
Dibromofluoromethane	*96*		*75 - 126*	*01/28/20 17:20*	*02/06/20 13:19*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*01/28/20 17:20*	*02/06/20 13:19*	*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	☼	02/03/20 18:06	02/04/20 17:38	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1

Client Sample ID: HI-3(0-6)-012720
Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4
Matrix: Solid
Percent Solids: 78.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	**190**	**J**	420	96	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4,6-Trichlorophenol	**190**	**J**	420	140	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dichlorophenol	**160**	**J**	420	100	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Methylnaphthalene	**27**	**J**	85	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Methylphenol	<210		210	68	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4,6-Dinitro-2-methylphenol	<850		850	340	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Nitrophenol	<850		850	400	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Acenaphthene	**60**		42	7.6	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Acenaphthylene	**45**		42	5.6	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Anthracene	**56**		42	7.1	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[a]anthracene	**48**		42	5.7	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[a]pyrene	**100**		42	8.2	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[b]fluoranthene	**140**		42	9.1	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[g,h,i]perylene	**63**		42	14	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[k]fluoranthene	**40**	**J**	42	12	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Carbazole	<210		210	110	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Chrysene	**75**		42	12	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Dibenz(a,h)anthracene	**23**	**J**	42	8.2	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Dibenzofuran	**81**	**J**	210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Di-n-butyl phthalate	**81**	**J**	210	64	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Fluoranthene	**130**		42	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Fluorene	**28**	**J**	42	5.9	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachlorobenzene	<85		85	9.8	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachloroethane	<210		210	64	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177004-1

Client Sample ID: HI-3(0-6)-012720
Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4
Matrix: Solid
Percent Solids: 78.3

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	**60**		42	11	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Isophorone	<210		210	47	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Naphthalene	**56**		42	6.5	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Nitrobenzene	<42		42	11	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
N-Nitrosodi-n-propylamine	<85		85	52	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Pentachlorophenol	<850		850	680	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Phenanthrene	**80**		42	5.9	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Phenol	<210		210	94	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Pyrene	**92**		42	8.4	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*108*		*31 - 143*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
2-Fluorobiphenyl	*92*		*43 - 145*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
2-Fluorophenol	*105*		*31 - 166*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
Nitrobenzene-d5	*101*		*37 - 147*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
Phenol-d5	*95*		*30 - 153*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
Terphenyl-d14	*124*		*42 - 157*	*02/03/20 18:06*	*02/04/20 17:38*	*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		02/08/20 16:36	02/10/20 09:28	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 09:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 09:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 09:28	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Cobalt	**0.024**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 09:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 09:28	1
Manganese	**9.0**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 09:28	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Zinc	**0.17**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 09:28	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		02/08/20 16:30	02/10/20 09:16	1
Barium	**0.58**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:16	1
Beryllium	**0.0074**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:16	1
Chromium	**0.15**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Cobalt	**0.065**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Copper	**0.21**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Iron	**150**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:16	1
Lead	**0.11**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:16	1
Manganese	**1.4**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Nickel	**0.19**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:16	1

Client Sample ID: HI-3(0-6)-012720

Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4

Matrix: Solid
Percent Solids: 78.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Zinc	**0.58**	**B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.84**	**J**	1.2	0.24	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Arsenic	**7.7**		0.62	0.21	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Barium	**59**		0.62	0.071	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Beryllium	**1.0**		0.25	0.058	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Cadmium	**0.23**		0.12	0.022	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Calcium	**17000**	**B**	12	2.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Chromium	**22**		0.62	0.31	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Cobalt	**14**		0.31	0.082	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Copper	**23**		0.62	0.17	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Iron	**22000**		12	6.5	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Lead	**19**		0.31	0.14	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Magnesium	**12000**		6.2	3.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Manganese	**390**		0.62	0.090	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Nickel	**33**		0.62	0.18	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Potassium	**3000**		31	11	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Selenium	**0.62**		0.62	0.37	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Silver	**3.5**		0.31	0.080	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Sodium	**1400**		62	9.2	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Vanadium	**32**		0.31	0.073	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Zinc	**76**		1.2	0.55	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	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		02/13/20 10:55	02/14/20 08:23	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		02/13/20 16:40	02/14/20 09:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		21	6.9	ug/Kg	☼	02/13/20 16:05	02/14/20 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			02/03/20 16:36	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177004-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
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
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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)

TestAmerica

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2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-177004 COC

Report To (optional)		Bill To (optional)	
Contact:	Andris Siesen	Contact:	Same
Company:	Weston Solutions, Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Mandeleine, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Siesen@WestonSolutions.com	PO#/Reference#:	

Chain of Custody Record

Lab Job #: 500-177004

Chain of Custody Number:

Page ___ of ___

Temperature °C of Cooler: 4.3, 5.8, 5.2, 5.3

Client	Client Project #
Weston Solutions, Inc	02056.016.009
Project Name: IDOT Grayslake, IL	
Project Location/State: Grayslake, IL	Lab Project #:
Sampler: Max Denio	Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		WM-6(0-4)-012720	1/27/20	1350	5	S	X	X	X	X	X					
2		HI-1(0-4)-012720		1400	5											
3		HI-2(0-3)-012720		1410	5											
4		HI-3(0-6)-012720		1420	5											
5		VM-1(0-4)-012720		1435	5											
6		VM-2(0-4)-012720		1450	5											
7		VM-3(0-6)-012720		1500	5											
8		VM-4(0-4)-012720		1525	5											
9		VM-4(4-8)-012720		1535	5											
10		VM-5(0-4)-012720		1540	5											

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
[signature]	Weston Sol.	1/27/20	1730	[signature]	Weston	1/27/2020	1730
[signature]	Weston	1/28/2020	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	Shin Scott	TA-CHI	1/28/20	1250

Lab Courier: [signature]
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-221122-1
Client Project/Site: IDOT - Grayslake - WO 009C

For:
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Attn: Mr. Andris Slesers

Authorized for release by:
9/1/2022 1:49:19 PM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@et.eurofinsus.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: HI-3(6-12)-081822

Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19

Matrix: Solid
Percent Solids: 86.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Xylenes, Total	<0.0032		0.0032	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*	*08/19/22 17:50*	*08/26/22 15:07*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 126*	*08/19/22 17:50*	*08/26/22 15:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 134*	*08/19/22 17:50*	*08/26/22 15:07*	*1*
Toluene-d8 (Surr)	*103*		*75 - 124*	*08/19/22 17:50*	*08/26/22 15:07*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1

Client Sample ID: HI-3(6-12)-081822
Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19
Matrix: Solid
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Chlorophenol	<0.19	*+	0.19	0.065	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: HI-3(6-12)-081822
Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19
Matrix: Solid
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Phenanthrene	**0.0060**	**J**	0.038	0.0053	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*31 - 143*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
2-Fluorobiphenyl (Surr)	*73*		*43 - 145*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
2-Fluorophenol (Surr)	*103*		*31 - 166*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
Nitrobenzene-d5 (Surr)	*59*		*37 - 147*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
Phenol-d5 (Surr)	*71*		*30 - 153*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
Terphenyl-d14 (Surr)	*91*		*42 - 157*	*08/30/22 06:40*	*09/01/22 02:03*	*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		08/26/22 16:35	08/29/22 19:28	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 19:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 19:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 19:28	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Iron	**0.24**	**J**	0.40	0.20	mg/L		08/26/22 16:35	08/29/22 19:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/29/22 19:28	1
Manganese	**0.93**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Nickel	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 19:28	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Zinc	<0.50	*+ ^+	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 19:28	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.073**		0.050	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Barium	**0.50**		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 18:25	1
Beryllium	**0.0083**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 18:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 18:25	1
Chromium	**0.16**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Cobalt	**0.058**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Copper	**0.26**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Iron	**190**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 18:25	1
Lead	**0.091**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 18:25	1
Manganese	**0.90**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Nickel	**0.23**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 18:25	1

Client Sample ID: HI-3(6-12)-081822

Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19

Matrix: Solid
Percent Solids: 86.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Zinc	**0.46**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/30/22 12:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9100**		11	4.7	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Antimony	**0.31**	**J**	1.1	0.22	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Arsenic	**6.4**		0.57	0.20	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Barium	**36**		0.57	0.065	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Beryllium	**0.68**		0.23	0.053	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Cadmium	<0.11		0.11	0.021	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Calcium	**76000**	**B**	57	9.7	mg/Kg	☼	08/25/22 15:32	08/29/22 11:28	5
Chromium	**15**		0.57	0.28	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Cobalt	**11**		0.29	0.075	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Copper	**24**		0.57	0.16	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Iron	**18000**		11	5.9	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Lead	**13**		0.29	0.13	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Magnesium	**30000**	**B**	5.7	2.8	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Manganese	**380**		0.57	0.083	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Nickel	**28**		0.57	0.17	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Potassium	**1700**		29	10	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Silver	**0.23**	**J**	0.29	0.074	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Sodium	**270**		57	8.4	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Vanadium	**18**		0.29	0.067	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Zinc	**51**		1.1	0.50	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 10:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**		0.018	0.0060	mg/Kg	☼	08/25/22 14:50	08/26/22 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			08/24/22 17:23	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-221122-1
Project/Site: IDOT - Grayslake - WO 009C

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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 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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Chain of Custody Record

520894

eurofins

Environment Testing
TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sievers	Site Contact	Date	COC No
Company Name	Tel/Email	Lab Contact	Carrier	1 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler
City/State Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grays Lake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

500-221122 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOC	SVOC	Total Metals	TCLP Metals	SPLP Metals	pH	Sample Specific Notes
1	AL44-2(3-5)-081822	8/18/22	955	G	S	5			X	X	X	X	X	X	
2	AL44-2(5-10)-081822	↓	1025	↓	↓	↓			↓	↓	↓	↓	↓	↓	
3	AL44-2(10-15)-081822		1035												
4	AL44-3(2-5)-081822		1050												
5	AL44-3(5-10)-081822		1055												
6	AL44-3(5-10)-081822D		1100												
7	AL44-3(10-15)-081822		1105												
8	AL44-4(7-11)-081822		1115												
9	AL44-4(11-15)-081822		1120												
10	AL44-5(7-11)-081822		1130												
11	AL44-5(11-15)-081822		1135												
12	AL44-6(2-5)-081822	↓	1205	↓	↓	↓			↓	↓	↓	↓	↓	↓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

3.2+1.2, 95+25

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd _____ Corr'd _____	Therm ID No _____

	Relinquished by	Company	Date/Time	Received by	Company	Date/Time
1		Weston Solutions	8.19.22 943		EETA	8/19/22 0945
2		EETA	8/19/22 1105			
3				Received in Laboratory by: Stephanie Hernandez	EETA	8/19/22 1105

Chain of Custody Record

542C14

eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sleger	Site Contact	Date	COC No
Company Name	Tel/Email.	Lab Contact	Carrier	2 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler:
City/State/Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grayslake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	SVOC	Total metals	TCLP metals	SPLP metals	pH	Sample Specific Notes
3	AL44-6 (5-10) -081822	8-18-22	~~1240~~ 1210	G	S	5			X	X	X	X	X	X	
4	AL44-6 (10-15) -081822		1215												
5	AL44-7 (2-8) -081822		1240												
6	SQ-1 (5-8) -081822		1310												
7	MI-2 (3-8) -081822		1330												
8	MI-2 (3-8) -081822D		1325												
9	MI-3 (6-12) -081822		1350												
	VM-2 (4-8) -081822		1410												
	VM-2 (8-13) -081822		1415												
	VM-3 (6-13) -081822		1430												

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company: Weston Solutions	Date/Time: 8-19-22 0943	Received by	Company: EEA	Date/Time: 08/19/22 0943
Relinquished by	Company: EEA	Date/Time: 8/19/22 1105	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: Stephanie Hernandez	Company: EEA	Date/Time: 8/19/22 1105

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Altec Industries - 880 S. IL 83 (ISGS Site No. 3079V2-59)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.32931 (Decimal Degrees) Longitude: - 88.02908 (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 423

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: FAP 866 - IL 83 at IL 137 Latitude: 42.32931 Longitude: - 88.02908

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 AI-1 AND AI-2 WERE SAMPLED ALONG THE ALTEC INDUSTRIES ROW. SEE FIGURE 3-5, AND TABLE 4-1 OF THE 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: 500-177001-1. ALSO SEE FIGURE 4-5 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Altec Industries (ISGS Site No. 3079V-59)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AI-1	AI-2
Sample Date		1/27/2020	1/27/2020
Field Sample ID		AI-1(0-4)-012720	AI-2(0-4)-012720
ISGS Site No.		3079V-59	3079V-59
Laboratory pH	<6.25, >9.0	7.9	8.5
VOCs		**No Exceedances**	
SVOCs (mg/kg)			
2,4,5-Trichlorophenol	26	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND
2,4-Dichlorophenol	1	ND	ND
2-Methylnaphthalene	---	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND
Acenaphthene	570	0.0098 J	ND
Acenaphthylene	---	0.076	ND
Anthracene	12000	0.034 J	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.074	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.26	0.027 J
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.23	ND
Benzo(g,h,i)perylene	---	0.16	ND
Benzo(k)fluoranthene	9	0.074	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND
Butyl benzyl phthalate	930	ND	ND
Carbazole	0.6	ND	ND
Chrysene	88	0.096	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	ND
Dibenzofuran	---	ND	ND
Di-N-Butyl phthalate	2300	ND	ND
Fluoranthene	3100	0.14	0.038
Fluorene	560	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	ND
Naphthalene	1.8	ND	ND
Pentachlorophenol	0.03	ND	ND
Phenanthrene	---	0.036 J	ND
Pyrene	2300	0.16	0.023 J
Pesticides (mg/kg)			
4,4-DDD	3	---	---
4,4-DDE	2	---	---
Dieldrin	0.603	---	---
PCBs (mg/kg)			
Aroclor-1248	1	---	---
Total Inorganics (mg/kg)			
Aluminum, Total	---	ND	ND
Antimony, Total	5	0.39 J	0.48 J
Arsenic, Total	11.3 / 13.0	7.9	6.4
Barium, Total	1500	87	32
Beryllium, Total	22	1.1	0.72
Cadmium, Total	5.2	0.17 J	0.2 J
Calcium, Total	---	11000 B	79000 B
Chromium, Total	21	24	15
Cobalt, Total	20	15	11
Copper, Total	2900	23	22
Cyanide, Total	0.2	---	---
Iron, Total	15000 / 15900	22000	15000
Lead, Total	107	22	14
Magnesium, Total	325000	9500	30000
Manganese, Total	630 / 636	340	390
Mercury, Total	0.89	0.025	0.017 J
Nickel, Total	100	35	28
Potassium, Total	---	3600	2900
Selenium, Total	1.3	0.38 J	ND
Silver, Total	4.4	4.8	2.9
Sodium, Total	---	2700	1100
Thallium, Total	2.6	ND	ND
Vanadium, Total	550	36	22
Zinc, Total	5100	74	57

Summary Table of Altec Industries (ISGS Site No. 3079V-59)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AI-1	AI-2
Sample Date		1/27/2020	1/27/2020
Field Sample ID		AI-1(0-4)-012720	AI-2(0-4)-012720
ISGS Site No.		3079V-59	3079V-59
TCLP Metals (mg/l)			
Arsenic, TCLP	0.05	ND	ND
Barium, TCLP	2	0.42 J	0.24 J
Beryllium, TCLP	0.004	ND	ND
Cadmium, TCLP	0.005	ND	0.0027 J
Chromium, TCLP	0.1	ND	ND
Cobalt, TCLP	1	0.025	0.044
Copper, TCLP	0.65	ND	ND
Iron, TCLP	5	ND	0.22 J
Lead, TCLP	0.0075	ND	ND
Manganese, TCLP	0.15	6.3	4.4
Mercury, TCLP	0.002	ND	ND
Nickel, TCLP	0.1	0.017 J	0.044
Selenium, TCLP	0.05	0.022 J	ND
Silver, TCLP	0.05	ND	ND
Thallium, TCLP	0.002	ND	ND
Zinc, TCLP	5	ND	ND
SPLP Metals (mg/l)			
Arsenic, SPLP	0.05	0.053	0.066
Barium, SPLP	2	0.58	0.47 J
Beryllium, SPLP	0.004	0.006	0.0057
Cadmium, SPLP	0.005	ND	ND
Chromium, SPLP	0.1	0.15	0.14
Cobalt, SPLP	1	0.056	0.07
Copper, SPLP	0.65	0.21	0.23
Iron, SPLP	5	150	170
Lead, SPLP	0.0075	0.21	0.078
Manganese, SPLP	0.15	1.2	1.2
Mercury, SPLP	0.002	ND	ND
Nickel, SPLP	0.1	0.15	0.2
Selenium, SPLP	0.05	ND	ND
Silver, SPLP	0.05	ND	ND
Thallium, SPLP	0.002	ND	ND
Zinc, SPLP	5	0.5	0.5

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-177001-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/17/2020 2:12:57 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: AI-1(0-4)-012720

Date Collected: 01/27/20 10:05
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-8

Matrix: Solid
Percent Solids: 79.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0	0.68	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
1,1,2-Trichloroethane	<2.0		2.0	0.87	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
1,1-Dichloroethane	<2.0		2.0	0.69	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
1,1-Dichloroethene	<2.0		2.0	0.69	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
1,2-Dichloroethane	<5.0		5.0	1.6	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
1,2-Dichloropropane	<2.0		2.0	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
1,3-Dichloropropene, Total	<2.0		2.0	0.71	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
2-Hexanone	<5.0		5.0	1.6	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Acetone	**54**		20	8.8	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Benzene	<2.0		2.0	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Bromodichloromethane	<2.0		2.0	0.41	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Bromoform	<2.0		2.0	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Bromomethane	<5.0		5.0	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Carbon disulfide	<5.0		5.0	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Carbon tetrachloride	<2.0		2.0	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Chlorobenzene	<2.0		2.0	0.75	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Chloroethane	<5.0		5.0	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Chloroform	<2.0		2.0	0.70	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Chloromethane	<5.0		5.0	2.0	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
cis-1,2-Dichloroethene	<2.0		2.0	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
cis-1,3-Dichloropropene	<2.0		2.0	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Dibromochloromethane	<2.0		2.0	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Ethylbenzene	<2.0		2.0	0.97	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Methyl Ethyl Ketone	**10**		5.0	2.2	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
methyl isobutyl ketone	<5.0		5.0	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Methyl tert-butyl ether	<2.0		2.0	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Methylene Chloride	<5.0		5.0	2.0	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Styrene	<2.0		2.0	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Tetrachloroethene	<2.0		2.0	0.69	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Toluene	<2.0		2.0	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
trans-1,2-Dichloroethene	<2.0		2.0	0.89	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
trans-1,3-Dichloropropene	<2.0		2.0	0.71	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Trichloroethene	<2.0		2.0	0.68	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Vinyl chloride	<2.0		2.0	0.89	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1
Xylenes, Total	<4.0		4.0	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*	*01/28/20 17:20*	*02/05/20 15:01*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 131*	*01/28/20 17:20*	*02/05/20 15:01*	*1*
Dibromofluoromethane	*104*		*75 - 126*	*01/28/20 17:20*	*02/05/20 15:01*	*1*
Toluene-d8 (Surr)	*87*		*75 - 124*	*01/28/20 17:20*	*02/05/20 15:01*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1

Client Sample ID: AI-1(0-4)-012720
Date Collected: 01/27/20 10:05
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-8
Matrix: Solid
Percent Solids: 79.1

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	☼	02/05/20 07:34	02/05/20 22:28	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2,4-Dinitrophenol	<830		830	730	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2-Methylnaphthalene	<83		83	7.6	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2-Methylphenol	<210		210	66	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Acenaphthene	**9.8**	**J**	41	7.4	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Acenaphthylene	**76**		41	5.4	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Anthracene	**34**	**J**	41	6.9	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Benzo[a]anthracene	**74**		41	5.6	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Benzo[a]pyrene	**260**		41	8.0	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Benzo[b]fluoranthene	**230**		41	8.9	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Benzo[g,h,i]perylene	**160**		41	13	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Benzo[k]fluoranthene	**74**		41	12	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Carbazole	<210		210	100	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Chrysene	**96**		41	11	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Dibenz(a,h)anthracene	<41		41	8.0	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Dibenzofuran	<210		210	48	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Fluoranthene	**140**		41	7.7	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Fluorene	<41		41	5.8	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Hexachlorobenzene	<83		83	9.6	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Hexachloroethane	<210		210	63	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177001-1

Client Sample ID: AI-1(0-4)-012720

Date Collected: 01/27/20 10:05
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-8

Matrix: Solid
Percent Solids: 79.1

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	<41		41	11	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Isophorone	<210		210	46	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Naphthalene	<41		41	6.4	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Nitrobenzene	<41		41	10	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
N-Nitrosodi-n-propylamine	<83		83	50	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Phenanthrene	**36**	**J**	41	5.8	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Phenol	<210		210	92	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1
Pyrene	**160**		41	8.2	ug/Kg	☼	02/05/20 07:34	02/05/20 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*31 - 143*	*02/05/20 07:34*	*02/05/20 22:28*	*1*
2-Fluorobiphenyl	*84*		*43 - 145*	*02/05/20 07:34*	*02/05/20 22:28*	*1*
2-Fluorophenol	*89*		*31 - 166*	*02/05/20 07:34*	*02/05/20 22:28*	*1*
Nitrobenzene-d5	*84*		*37 - 147*	*02/05/20 07:34*	*02/05/20 22:28*	*1*
Phenol-d5	*65*		*30 - 153*	*02/05/20 07:34*	*02/05/20 22:28*	*1*
Terphenyl-d14	*128*		*42 - 157*	*02/05/20 07:34*	*02/05/20 22:28*	*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		02/08/20 16:33	02/10/20 11:47	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 11:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 11:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 11:47	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:47	1
Cobalt	**0.025**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 14:52	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:47	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 11:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 11:47	1
Manganese	**6.3**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:47	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 14:52	1
Selenium	**0.022**	**J**	0.050	0.020	mg/L		02/08/20 16:33	02/10/20 11:47	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:47	1
Zinc	**0.067**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 11:47	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.053**		0.050	0.010	mg/L		02/07/20 14:27	02/10/20 09:30	1
Barium	**0.58**		0.50	0.050	mg/L		02/07/20 14:27	02/10/20 09:30	1
Beryllium	**0.0060**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 09:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 09:30	1
Chromium	**0.15**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:30	1
Cobalt	**0.056**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:30	1
Copper	**0.21**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:30	1
Iron	**150**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 09:30	1
Lead	**0.21**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 09:30	1
Manganese	**1.2**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:30	1
Nickel	**0.15**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:30	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 09:30	1

Client Sample ID: AI-1(0-4)-012720

Date Collected: 01/27/20 10:05
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-8

Matrix: Solid
Percent Solids: 79.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:30	1
Zinc	**0.50**		0.50	0.020	mg/L		02/07/20 14:27	02/10/20 09:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.39**	**J**	1.2	0.24	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Arsenic	**7.9**		0.62	0.21	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Barium	**87**		0.62	0.071	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Beryllium	**1.1**		0.25	0.058	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Cadmium	**0.17**	**B**	0.12	0.022	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Calcium	**11000**	**B**	12	2.1	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Chromium	**24**		0.62	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Cobalt	**15**		0.31	0.081	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Copper	**23**		0.62	0.17	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Iron	**22000**		12	6.5	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Lead	**22**		0.31	0.14	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Magnesium	**9500**		6.2	3.1	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Manganese	**340**		0.62	0.090	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Nickel	**35**		0.62	0.18	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Potassium	**3600**		31	11	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Selenium	**0.38**	**J**	0.62	0.36	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Silver	**4.8**		0.31	0.080	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Sodium	**2700**		62	9.2	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Vanadium	**36**		0.31	0.073	mg/Kg	☼	01/31/20 06:53	02/01/20 03:53	1
Zinc	**74**		1.2	0.55	mg/Kg	☼	01/31/20 06:53	02/04/20 03:07	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		02/13/20 16:40	02/14/20 12:13	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		02/13/20 16:40	02/17/20 11:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		20	6.8	ug/Kg	☼	02/14/20 15:25	02/15/20 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.9**		0.2	0.2	SU			01/31/20 21:17	1

Client Sample ID: AI-2(0-4)-012720

Date Collected: 01/27/20 10:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-9

Matrix: Solid
Percent Solids: 87.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Acetone	**33**		15	6.5	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Chloroethane	<3.7		3.7	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Chloroform	<1.5		1.5	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Ethylbenzene	<1.5		1.5	0.71	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Methyl Ethyl Ketone	**3.9**		3.7	1.6	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*	*01/28/20 17:20*	*02/05/20 15:26*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 131*	*01/28/20 17:20*	*02/05/20 15:26*	*1*
Dibromofluoromethane	*104*		*75 - 126*	*01/28/20 17:20*	*02/05/20 15:26*	*1*
Toluene-d8 (Surr)	*90*		*75 - 124*	*01/28/20 17:20*	*02/05/20 15:26*	*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	☼	02/05/20 07:34	02/05/20 22:55	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1

Client Sample ID: AI-2(0-4)-012720
Date Collected: 01/27/20 10:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-9
Matrix: Solid
Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2-Methylnaphthalene	<76		76	7.0	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2-Methylphenol	<190		190	61	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Anthracene	<38		38	6.3	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Benzo[a]pyrene	**27**	**J**	38	7.3	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Carbazole	<190		190	94	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Chrysene	<38		38	10	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Dibenzofuran	<190		190	44	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Fluoranthene	**38**		38	7.0	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Fluorene	<38		38	5.3	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Hexachloroethane	<190		190	57	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177001-1

Client Sample ID: AI-2(0-4)-012720
Date Collected: 01/27/20 10:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-9
Matrix: Solid
Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.8	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Isophorone	<190		190	42	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Naphthalene	<38		38	5.8	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Phenol	<190		190	84	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1
Pyrene	**23**	**J**	38	7.5	ug/Kg	☼	02/05/20 07:34	02/05/20 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*113*		*31 - 143*	*02/05/20 07:34*	*02/05/20 22:55*	*1*
2-Fluorobiphenyl	*104*		*43 - 145*	*02/05/20 07:34*	*02/05/20 22:55*	*1*
2-Fluorophenol	*116*		*31 - 166*	*02/05/20 07:34*	*02/05/20 22:55*	*1*
Nitrobenzene-d5	*100*		*37 - 147*	*02/05/20 07:34*	*02/05/20 22:55*	*1*
Phenol-d5	*85*		*30 - 153*	*02/05/20 07:34*	*02/05/20 22:55*	*1*
Terphenyl-d14	*143*		*42 - 157*	*02/05/20 07:34*	*02/05/20 22:55*	*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		02/08/20 16:33	02/10/20 13:13	1
Barium	**0.24**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 13:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 13:13	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 13:13	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 13:13	1
Cobalt	**0.044**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 13:13	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 13:13	1
Iron	**0.22**	**J**	0.40	0.20	mg/L		02/08/20 16:33	02/10/20 13:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 13:13	1
Manganese	**4.4**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 13:13	1
Nickel	**0.044**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 16:25	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 13:13	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 13:13	1
Zinc	**0.020**	**J**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 13:13	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.066**		0.050	0.010	mg/L		02/07/20 14:27	02/10/20 09:42	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		02/07/20 14:27	02/10/20 09:42	1
Beryllium	**0.0057**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 09:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 09:42	1
Chromium	**0.14**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:42	1
Cobalt	**0.070**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:42	1
Copper	**0.23**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:42	1
Iron	**170**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 09:42	1
Lead	**0.078**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 09:42	1
Manganese	**1.2**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:42	1
Nickel	**0.20**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:42	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 09:42	1

Client Sample ID: AI-2(0-4)-012720

Date Collected: 01/27/20 10:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-9

Matrix: Solid
Percent Solids: 87.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:42	1
Zinc	**0.50**		0.50	0.020	mg/L		02/07/20 14:27	02/10/20 09:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.48**	**J**	1.0	0.20	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Arsenic	**6.4**		0.52	0.18	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Barium	**32**		0.52	0.060	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Beryllium	**0.72**		0.21	0.049	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Cadmium	**0.20**	**B**	0.10	0.019	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Calcium	**79000**	**B**	100	18	mg/Kg	☼	01/31/20 06:53	02/04/20 03:25	10
Chromium	**15**		0.52	0.26	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Cobalt	**11**		0.26	0.069	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Copper	**22**		0.52	0.15	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Iron	**15000**		10	5.4	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Lead	**14**		0.26	0.12	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Magnesium	**30000**		5.2	2.6	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Manganese	**390**		0.52	0.076	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Nickel	**28**		0.52	0.15	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Potassium	**2900**		26	9.3	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Selenium	<0.52		0.52	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Silver	**2.9**		0.26	0.067	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Sodium	**1100**		52	7.7	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Vanadium	**22**		0.26	0.062	mg/Kg	☼	01/31/20 06:53	02/01/20 03:57	1
Zinc	**57**		1.0	0.46	mg/Kg	☼	01/31/20 06:53	02/04/20 03:20	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		02/10/20 10:45	02/11/20 11:28	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		02/13/20 16:40	02/17/20 11:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17**	**J**	19	6.3	ug/Kg	☼	02/14/20 15:25	02/15/20 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			02/03/20 15:40	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177001-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-177001 COC

Chain of Custody Record

Lab Job #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 4.3, 5.8, 5.2, 5

Report To (optional)		Bill To (optional)	
Contact:	Andris Siesers	Contact:	Same
Company:	Weston Solutions, Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Naperville, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Siesers@WestonSolutions.com	PO#/Reference#:	

Client	Client Project #
Weston Solutions, Inc.	
Project Name	
IDOT Grayslake, IL	
Project Location/State	**Lab Project #**
Grayslake, IL	02056.016.009
Sampler	**Lab PM**
Alex Deno	Edwards Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	BH					Comments
1		LM-1(0-2)-012720	1/27/20	0841	6	S		x	x	x	x	x					
2		CB51-1(0-3)-012720		0850	6												
3		F54-1(0-2)-012720		0900	6												
4		F54-2(0-6)-012720		0910	6												
5		F54-2(0-6)-012720D		0910	6												
6		R56-1(0-4)-012720		0940	6												
7		R56-2(0-5)-012720		0950	6												
8		A1-1(0-4)-012720		1005	6												
9		A1-2(0-4)-012720		1020	6												
10		VL60-3(0-2)-012720		1045	6												

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
	Westonsol.	1/27/20	1730		Weston	1/27/2020	1730
	Weston	1/28/2020	1115		TA	1/28/20	1115
	TA	1/28/20	1250		TA-CAL	1/28/20	1250

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments

Lab Comments:

TAL-4124-500(1209)

2/17/2020

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 #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: Andris Siesens	Contact: Same
Company: Weston Solutions, Inc.	Company:
Address: 300 Pierce Circle. Ste 202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax: —	Fax:
E-Mail: Andris.Siesens@WestonSolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions, Inc.	02056.016.009
Project Name: IDOT Grayslake	
Project Location/State: Grayslake, IL	Lab Project #
Sampler: Alex Demo	Lab PM: Richard Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
11		VL60-4(0-5)-012720	1/27/20	1100	6	S	x	x	x	x	x					
12		VL60-4(0-5)-012720D		1100	6											
13		VL60-5(0-3)-012720		1115	6											
14		VL60-6(0-2)-012720		1125	6											
15		WM-3(0-4)-012720		1230	6											
16		WM-1(0-2)-012720		1240	6											
17		WM-2(0-2)-012720		1255	6											
18		WM-4(0-4)-012720		1300	5											
19		WM-4(0-4)-012720D		1300	5											
20		WM-5(0-4)-012720		1335	5											

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston Sol.	1/27/20	1730	[signature]	Weston	1/27/2020	1730
[signature]	Weston	1/28/2020	1135	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	[signature]	TA	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Vacant Land - 31600-31800 blocks N. IL 83 (ISGS Site No. 3079V2-60)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.32676 (Decimal Degrees) Longitude: - 88.02905 (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 761

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: FAP 866 - IL 83 at IL 137 Latitude: 42.32676 Longitude: - 88.02905

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 HI-3, VL60-3 THROUGH VL60-6 WERE SAMPLED ALONG THE VACANT LAND ROW. SEE FIGURES 3-5 AND 3-6, AND TABLE 4-1 OF THE PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-177001-1, 500-221122-1, and 500-177004-1. ALSO SEE FIGURES 4-5 AND 4-6 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Vacant Lands (ISGS Site No. 3079V-60)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VL60-3	VL60-4	VL60-4	VL60-5	VL60-6	HI-3	HI-3
Sample Date		1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	8/18/2022
Field Sample ID		VL60-3(0-2)-012720	VL60-4(0-5)-012720	VL60-4(0-5)-012720D	VL60-5(0-3)-012720	VL60-6(0-2)-012720	HI-3(0-6)-012720	HI-3(6-12)-081822
ISGS Site No.		3079V-60	3079V-60	3079V-60	3079V-60	3079V-60	3079V-61	3079V-61
Laboratory pH	<6.25, >9.0	8.2	8.0	7.9	8.7	7.8	8.0	8.5
VOCs		**No Exceedances**						
SVOCs (mg/kg)								
2,4,5-Trichlorophenol	26	ND	ND	ND	ND	ND	0.19 J	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND	ND	0.19 J	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	0.16 J	ND
2-Methylnaphthalene	---	ND	0.016 J	0.018 J	ND	0.083 J	0.027 J	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	0.045	0.045	ND	0.02 J	0.06	ND
Acenaphthylene	---	ND	0.061	0.081	ND	0.33	0.045	ND
Anthracene	12000	ND	0.075 J	0.14 J	ND	0.16	0.056	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	ND	0.32 J	0.67 J	0.013 J	0.72	0.048	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	ND	0.46 J	0.96 J	0.026 J	1.4	0.1	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.011 J	0.68	1.1	0.033 J	1.6	0.14	ND
Benzo(g,h,i)perylene	---	ND	0.2 J	0.39 J	0.024 J	0.6	0.063	ND
Benzo(k)fluoranthene	9	ND	0.24 J	0.61 J	0.013 J	0.96	0.04 J	ND
bis(2-Ethylhexyl)phthalate	46	ND	0.34	0.38	ND	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	0.079 J	ND	ND	ND	ND
Carbazole	0.6	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	ND	0.43 J	0.78 J	0.023 J	0.77	0.075	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	0.063	0.093	ND	0.15	0.023 J	ND
Dibenzofuran	---	ND	0.069 J	ND	ND	ND	0.081 J	ND
Di-N-Butyl phthalate	2300	ND	0.077 J	ND	ND	ND	0.081 J	ND
Fluoranthene	3100	0.041 J	0.7 J	1.3 J	0.049	0.62	0.13	ND
Fluorene	560	ND	0.024 J	0.057	ND	0.046	0.028 J	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	ND	0.2 J	0.37 J	ND	0.54	0.06	ND
Naphthalene	1.8	ND	0.038	0.012 J	ND	0.02 J	0.056	ND
Pentachlorophenol	0.03	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	0.25 J	0.59 J	0.01 J	0.15	0.08	0.006 J
Pyrene	2300	0.0092 J	0.48 J	1.4 J	0.025 J	1	0.092	ND
Pesticides (mg/kg)								
4,4-DDD	3	---	---	---	---	---	---	---
4,4-DDE	2	---	---	---	---	---	---	---
Dieldrin	0.603	---	---	---	---	---	---	---
PCBs (mg/kg)								
Aroclor-1248	1	---	---	---	---	---	---	---

Summary Table of Vacant Lands (ISGS Site No. 3079V-60)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VL60-3	VL60-4	VL60-4	VL60-5	VL60-6	HI-3	HI-3
Sample Date		1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	8/18/2022
Field Sample ID		VL60-3(0-2)-012720	VL60-4(0-5)-012720	VL60-4(0-5)-012720D	VL60-5(0-3)-012720	VL60-6(0-2)-012720	HI-3(0-6)-012720	HI-3(6-12)-081822
ISGS Site No.		3079V-60	3079V-60	3079V-60	3079V-60	3079V-60	3079V-61	3079V-61
Total Inorganics (mg/kg)								
Aluminum, Total	---	ND	ND	ND	ND	ND	ND	ND
Antimony, Total	5	0.32 J	0.42 J	0.33 J	0.28 J	0.56 J	0.84 J	0.31 J
Arsenic, Total	11.3 / 13.0	7	6.5 J	2.4 J	4.9	5.1	7.7	6.4
Barium, Total	1500	66	19	22	53	57	59	36
Beryllium, Total	22	0.96	0.43	0.41	0.86	0.84	1	0.68
Cadmium, Total	5.2	0.26 J	0.21 J	0.18 J	0.18 J	0.77 B	0.23	ND
Calcium, Total	---	19000 B	150000 B	110000 B	72000 B	88000 B	17000 B	76000 B
Chromium, Total	21	21	9.6	10	19	18	22	15
Cobalt, Total	20	14	6.5 J	3.7 J	4.9	8.4	14	11
Copper, Total	2900	24	18	12	19	50	23	24
Cyanide, Total	0.2	---	---	---	---	---	---	---
Iron, Total	15000 / 15900	19000	18000 B	12000 B	16000	20000 B	22000	18000
Lead, Total	107	23	14	10	9.8	160	19	13
Magnesium, Total	325000	14000	86000 B	67000 B	27000	54000 B	12000	30000 B
Manganese, Total	630 / 636	330	380	310	310	320	390	380
Mercury, Total	0.89	0.024	0.021	0.017 J	0.021	0.037	0.024	0.019
Nickel, Total	100	33	18	13	29	22	33	28
Potassium, Total	---	3300	1400	1500	4200	2200	3000	1700
Selenium, Total	1.3	ND	0.55 J	ND	ND	ND	0.62	ND
Silver, Total	4.4	4.4	1.8	2	3.4	2.4	3.5	0.23 J
Sodium, Total	---	2500	700	830	1600	2200	1400	270
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	31	18	15	25	22	32	18
Zinc, Total	5100	71	36	35	52	260	76	51 J
TCLP Metals (mg/l)								
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.28 J	0.46 J	0.38 J	0.34 J	0.32 J	0.45 J	0.3 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	0.002 J	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	0.011 J	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	0.01 J	ND	ND	ND	0.024 J	ND
Copper, TCLP	0.65	ND	0.014 J	0.011 J	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	0.24 J
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	1	3	2.3	1.5	4.3	9	0.93
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	0.027	0.018 J	ND	ND	0.013 J	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	0.27 J	0.31 J	ND	ND	0.17 J	ND

Summary Table of Vacant Lands (ISGS Site No. 3079V-60)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	VL60-3	VL60-4	VL60-4	VL60-5	VL60-6	HI-3	HI-3
Sample Date		1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	8/18/2022
Field Sample ID		VL60-3(0-2)-012720	VL60-4(0-5)-012720	VL60-4(0-5)-012720D	VL60-5(0-3)-012720	VL60-6(0-2)-012720	HI-3(0-6)-012720	HI-3(6-12)-081822
ISGS Site No.		3079V-60	3079V-60	3079V-60	3079V-60	3079V-60	3079V-61	3079V-61
SPLP Metals (mg/l)								
Arsenic, SPLP	0.05	0.041 J	0.04 J	0.038 J	0.075	0.038 J	0.059	0.073
Barium, SPLP	2	0.65	0.44 J	0.42 J	0.66	0.59	0.58	0.5
Beryllium, SPLP	0.004	0.0075	0.0052	0.0048	0.0078	0.006	0.0074	0.0083
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.2	0.15	0.14	0.2	0.16	0.15	0.16
Cobalt, SPLP	1	0.059	0.033	0.035	0.083	0.05	0.065	0.058
Copper, SPLP	0.65	0.16	0.16	0.15	0.25	0.17	0.21	0.26
Iron, SPLP	5	190	150	130	210	130	150	190
Lead, SPLP	0.0075	0.1	0.15	0.18	0.18	0.2	0.11	0.091
Manganese, SPLP	0.15	0.95	0.83	0.96	1.5	1.3	1.4	0.9
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.18	0.13	0.12	0.23	0.14	0.19	0.23
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.44 J	0.46 J	0.62	0.49 J	0.55	0.58 B	0.46 J

Notes:
--- - not applicable or value not available.
Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.
ND - Constituent not detected above the reporting limit.
J - Estimated concentration.
Yellow shaded values indicate concentration exceeds MAC Table 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: 500-177004-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/15/2020 5:45:26 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: HI-3(0-6)-012720

Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4

Matrix: Solid
Percent Solids: 78.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.1		2.1	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1,2,2-Tetrachloroethane	<2.1		2.1	0.66	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1,2-Trichloroethane	<2.1		2.1	0.89	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1-Dichloroethane	<2.1		2.1	0.71	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1-Dichloroethene	<2.1		2.1	0.71	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,2-Dichloroethane	<5.2		5.2	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,2-Dichloropropane	<2.1		2.1	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,3-Dichloropropene, Total	<2.1		2.1	0.72	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
2-Hexanone	<5.2		5.2	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Acetone	**61**		21	9.0	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Benzene	<2.1		2.1	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Bromodichloromethane	<2.1		2.1	0.42	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Bromoform	<2.1		2.1	0.60	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Bromomethane	<5.2		5.2	2.0	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Carbon disulfide	<5.2		5.2	1.1	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Carbon tetrachloride	<2.1		2.1	0.60	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chlorobenzene	<2.1		2.1	0.76	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chloroethane	<5.2		5.2	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chloroform	<2.1		2.1	0.72	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chloromethane	<5.2		5.2	2.1	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
cis-1,2-Dichloroethene	<2.1		2.1	0.58	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
cis-1,3-Dichloropropene	<2.1		2.1	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Dibromochloromethane	<2.1		2.1	0.67	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Ethylbenzene	<2.1		2.1	0.99	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Methyl Ethyl Ketone	**9.4**		5.2	2.3	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
methyl isobutyl ketone	<5.2		5.2	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Methyl tert-butyl ether	<2.1		2.1	0.61	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Methylene Chloride	<5.2		5.2	2.0	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Styrene	<2.1		2.1	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Tetrachloroethene	<2.1		2.1	0.70	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Toluene	<2.1		2.1	0.52	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
trans-1,2-Dichloroethene	<2.1		2.1	0.91	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
trans-1,3-Dichloropropene	<2.1		2.1	0.72	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Trichloroethene	<2.1		2.1	0.70	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Vinyl chloride	<2.1		2.1	0.91	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Xylenes, Total	**1.1**	**J**	4.1	0.66	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*01/28/20 17:20*	*02/06/20 13:19*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/28/20 17:20*	*02/06/20 13:19*	*1*
Dibromofluoromethane	*96*		*75 - 126*	*01/28/20 17:20*	*02/06/20 13:19*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*01/28/20 17:20*	*02/06/20 13:19*	*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	☼	02/03/20 18:06	02/04/20 17:38	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1

Client Sample ID: HI-3(0-6)-012720
Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4
Matrix: Solid
Percent Solids: 78.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	**190**	**J**	420	96	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4,6-Trichlorophenol	**190**	**J**	420	140	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dichlorophenol	**160**	**J**	420	100	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Methylnaphthalene	**27**	**J**	85	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Methylphenol	<210		210	68	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4,6-Dinitro-2-methylphenol	<850		850	340	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Nitrophenol	<850		850	400	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Acenaphthene	**60**		42	7.6	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Acenaphthylene	**45**		42	5.6	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Anthracene	**56**		42	7.1	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[a]anthracene	**48**		42	5.7	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[a]pyrene	**100**		42	8.2	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[b]fluoranthene	**140**		42	9.1	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[g,h,i]perylene	**63**		42	14	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[k]fluoranthene	**40**	**J**	42	12	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Carbazole	<210		210	110	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Chrysene	**75**		42	12	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Dibenz(a,h)anthracene	**23**	**J**	42	8.2	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Dibenzofuran	**81**	**J**	210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Di-n-butyl phthalate	**81**	**J**	210	64	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Fluoranthene	**130**		42	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Fluorene	**28**	**J**	42	5.9	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachlorobenzene	<85		85	9.8	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachloroethane	<210		210	64	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177004-1

Client Sample ID: HI-3(0-6)-012720
Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4
Matrix: Solid
Percent Solids: 78.3

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	**60**		42	11	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Isophorone	<210		210	47	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Naphthalene	**56**		42	6.5	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Nitrobenzene	<42		42	11	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
N-Nitrosodi-n-propylamine	<85		85	52	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Pentachlorophenol	<850		850	680	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Phenanthrene	**80**		42	5.9	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Phenol	<210		210	94	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Pyrene	**92**		42	8.4	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*108*		*31 - 143*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
2-Fluorobiphenyl	*92*		*43 - 145*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
2-Fluorophenol	*105*		*31 - 166*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
Nitrobenzene-d5	*101*		*37 - 147*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
Phenol-d5	*95*		*30 - 153*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
Terphenyl-d14	*124*		*42 - 157*	*02/03/20 18:06*	*02/04/20 17:38*	*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		02/08/20 16:36	02/10/20 09:28	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 09:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 09:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 09:28	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Cobalt	**0.024**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 09:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 09:28	1
Manganese	**9.0**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 09:28	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Zinc	**0.17**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 09:28	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		02/08/20 16:30	02/10/20 09:16	1
Barium	**0.58**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:16	1
Beryllium	**0.0074**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:16	1
Chromium	**0.15**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Cobalt	**0.065**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Copper	**0.21**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Iron	**150**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:16	1
Lead	**0.11**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:16	1
Manganese	**1.4**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Nickel	**0.19**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:16	1

Client Sample ID: HI-3(0-6)-012720

Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4

Matrix: Solid
Percent Solids: 78.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Zinc	**0.58**	**B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.84**	**J**	1.2	0.24	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Arsenic	**7.7**		0.62	0.21	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Barium	**59**		0.62	0.071	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Beryllium	**1.0**		0.25	0.058	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Cadmium	**0.23**		0.12	0.022	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Calcium	**17000**	**B**	12	2.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Chromium	**22**		0.62	0.31	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Cobalt	**14**		0.31	0.082	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Copper	**23**		0.62	0.17	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Iron	**22000**		12	6.5	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Lead	**19**		0.31	0.14	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Magnesium	**12000**		6.2	3.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Manganese	**390**		0.62	0.090	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Nickel	**33**		0.62	0.18	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Potassium	**3000**		31	11	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Selenium	**0.62**		0.62	0.37	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Silver	**3.5**		0.31	0.080	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Sodium	**1400**		62	9.2	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Vanadium	**32**		0.31	0.073	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Zinc	**76**		1.2	0.55	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	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		02/13/20 10:55	02/14/20 08:23	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		02/13/20 16:40	02/14/20 09:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		21	6.9	ug/Kg	☼	02/13/20 16:05	02/14/20 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			02/03/20 16:36	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177004-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
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
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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)

TestAmerica

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2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-177004 COC

Report To (optional)		Bill To (optional)	
Contact:	Andris Siesen	Contact:	Same
Company:	Weston Solutions, Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Mandeleine, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Siesen@WestonSolutions.com	PO#/Reference#:	

Chain of Custody Record

Lab Job #: 500-177004

Chain of Custody Number:

Page ___ of ___

Temperature °C of Cooler: 4.3, 5.8, 5.2, 5.3

Client: Weston Solutions, Inc	Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL	
Project Location/State: Grayslake, IL	Lab Project #:
Sampler: Max Denio	Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4. Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		WM-6(0-4)-012720	1/27/20	1350	5	S	X	X	X	X	X					
2		HI-1(0-4)-012720		1400	5											
3		HI-2(0-3)-012720		1410	5											
4		HI-3(0-6)-012720		1420	5											
5		VM-1(0-4)-012720		1435	5											
6		VM-2(0-4)-012720		1450	5											
7		VM-3(0-6)-012720		1500	5											
8		VM-4(0-4)-012720		1525	5											
9		VM-4(4-8)-012720		1535	5											
10		VM-5(0-4)-012720		1540	5											

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
[signature]	Weston Sol.	1/27/20	1730	[signature]	Weston	1/27/2020	1730
[signature]	Weston	1/28/2020	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	Shin Scott	TA-CHI	1/28/20	1250

Lab Courier: [signature]
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

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ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-221122-1
Client Project/Site: IDOT - Grayslake - WO 009C

For:
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Attn: Mr. Andris Slesers

Authorized for release by:
9/1/2022 1:49:19 PM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@et.eurofinsus.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: HI-3(6-12)-081822

Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19

Matrix: Solid
Percent Solids: 86.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Xylenes, Total	<0.0032		0.0032	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*	*08/19/22 17:50*	*08/26/22 15:07*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 126*	*08/19/22 17:50*	*08/26/22 15:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 134*	*08/19/22 17:50*	*08/26/22 15:07*	*1*
Toluene-d8 (Surr)	*103*		*75 - 124*	*08/19/22 17:50*	*08/26/22 15:07*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1

Client Sample ID: HI-3(6-12)-081822
Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19
Matrix: Solid
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Chlorophenol	<0.19	*+	0.19	0.065	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: HI-3(6-12)-081822
Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19
Matrix: Solid
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Phenanthrene	**0.0060**	**J**	0.038	0.0053	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*31 - 143*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
2-Fluorobiphenyl (Surr)	*73*		*43 - 145*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
2-Fluorophenol (Surr)	*103*		*31 - 166*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
Nitrobenzene-d5 (Surr)	*59*		*37 - 147*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
Phenol-d5 (Surr)	*71*		*30 - 153*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
Terphenyl-d14 (Surr)	*91*		*42 - 157*	*08/30/22 06:40*	*09/01/22 02:03*	*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		08/26/22 16:35	08/29/22 19:28	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 19:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 19:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 19:28	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Iron	**0.24**	**J**	0.40	0.20	mg/L		08/26/22 16:35	08/29/22 19:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/29/22 19:28	1
Manganese	**0.93**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Nickel	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 19:28	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Zinc	<0.50	*+ ^+	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 19:28	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.073**		0.050	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Barium	**0.50**		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 18:25	1
Beryllium	**0.0083**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 18:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 18:25	1
Chromium	**0.16**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Cobalt	**0.058**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Copper	**0.26**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Iron	**190**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 18:25	1
Lead	**0.091**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 18:25	1
Manganese	**0.90**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Nickel	**0.23**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 18:25	1

Client Sample ID: HI-3(6-12)-081822

Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19

Matrix: Solid
Percent Solids: 86.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Zinc	**0.46**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/30/22 12:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9100**		11	4.7	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Antimony	**0.31**	**J**	1.1	0.22	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Arsenic	**6.4**		0.57	0.20	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Barium	**36**		0.57	0.065	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Beryllium	**0.68**		0.23	0.053	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Cadmium	<0.11		0.11	0.021	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Calcium	**76000**	**B**	57	9.7	mg/Kg	☼	08/25/22 15:32	08/29/22 11:28	5
Chromium	**15**		0.57	0.28	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Cobalt	**11**		0.29	0.075	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Copper	**24**		0.57	0.16	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Iron	**18000**		11	5.9	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Lead	**13**		0.29	0.13	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Magnesium	**30000**	**B**	5.7	2.8	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Manganese	**380**		0.57	0.083	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Nickel	**28**		0.57	0.17	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Potassium	**1700**		29	10	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Silver	**0.23**	**J**	0.29	0.074	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Sodium	**270**		57	8.4	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Vanadium	**18**		0.29	0.067	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Zinc	**51**		1.1	0.50	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 10:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**		0.018	0.0060	mg/Kg	☼	08/25/22 14:50	08/26/22 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			08/24/22 17:23	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-221122-1
Project/Site: IDOT - Grayslake - WO 009C

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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 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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Chain of Custody Record

520894

eurofins

Environment Testing
TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sievers	Site Contact	Date	COC No
Company Name	Tel/Email	Lab Contact	Carrier	1 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler
City/State Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grays Lake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

500-221122 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOC	SVOC	Total Metals	TCLP Metals	SPLP Metals	pH	Sample Specific Notes
1	AL44-2(3-5)-081822	8/18/22	955	G	S	5			X	X	X	X	X	X	
2	AL44-2(5-10)-081822	↓	1025	↓	↓	↓			↓	↓	↓	↓	↓	↓	
3	AL44-2(10-15)-081822		1035												
4	AL44-3(2-5)-081822		1050												
5	AL44-3(5-10)-081822		1055												
6	AL44-3(5-10)-081822D		1100												
7	AL44-3(10-15)-081822		1105												
8	AL44-4(7-11)-081822		1115												
9	AL44-4(11-15)-081822		1120												
10	AL44-5(7-11)-081822		1130												
11	AL44-5(11-15)-081822		1135												
12	AL44-6(2-5)-081822	↓	1205	↓	↓	↓			↓	↓	↓	↓	↓	↓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

3.2+1.2, 95+25

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd _____ Corr'd _____	Therm ID No _____

	Relinquished by	Company	Date/Time	Received by	Company	Date/Time
1		Weston Solutions	8.19.22 943		EETA	8/19/22 0945
2		EETA	8/19/22 1105			
3				Received in Laboratory by: Stephanie Hernandez	EETA	8/19/22 1105

Chain of Custody Record

542C14

eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sleger	Site Contact	Date	COC No
Company Name	Tel/Email.	Lab Contact	Carrier	2 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler:
City/State/Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grayslake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	SVOC	Total metals	TCLP metals	SPLP metals	pH	Sample Specific Notes
3	AL44-6 (5-10) -081822	8-18-22	~~1240~~ 1210	G	S	5			X	X	X	X	X	X	
4	AL44-6 (10-15) -081822		1215												
5	AL44-7 (2-8) -081822		1240												
6	SQ-1 (5-8) -081822		1310												
7	MI-2 (3-8) -081822		1330												
8	MI-2 (3-8) -081822D		1325												
9	MI-3 (6-12) -081822		1350												
	VM-2 (4-8) -081822		1410												
	VM-2 (8-13) -081822		1415												
	VM-3 (6-13) -081822		1430												

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company: Weston Solutions	Date/Time: 8-19-22 0943	Received by	Company: EEA	Date/Time: 08/19/22 0943
Relinquished by	Company: EEA	Date/Time: 8/19/22 1105	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: Stephanie Hernandez	Company: EEA	Date/Time: 8/19/22 1105

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ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-177001-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/17/2020 2:12:57 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177001-1

Client Sample ID: VL60-3(0-2)-012720
Date Collected: 01/27/20 10:45
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-10
Matrix: Solid
Percent Solids: 78.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
1,1,2-Trichloroethane	<1.8		1.8	0.78	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
1,3-Dichloropropene, Total	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Acetone	<18		18	7.9	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Carbon disulfide	<4.5		4.5	0.94	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Chlorobenzene	<1.8		1.8	0.67	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Ethylbenzene	<1.8		1.8	0.87	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Methyl Ethyl Ketone	<4.5		4.5	2.0	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
trans-1,2-Dichloroethene	<1.8		1.8	0.80	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Vinyl chloride	<1.8		1.8	0.80	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	01/28/20 17:20	02/05/20 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*	*01/28/20 17:20*	*02/05/20 15:52*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 131*	*01/28/20 17:20*	*02/05/20 15:52*	*1*
Dibromofluoromethane	*104*		*75 - 126*	*01/28/20 17:20*	*02/05/20 15:52*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/28/20 17:20*	*02/05/20 15:52*	*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	☼	02/05/20 07:34	02/05/20 23:24	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1

Client Sample ID: VL60-3(0-2)-012720
Date Collected: 01/27/20 10:45
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-10
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	96	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2,4,6-Trichlorophenol	<420		420	140	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2-Methylnaphthalene	<85		85	7.7	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2-Methylphenol	<210		210	67	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
2-Nitrophenol	<420		420	99	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
4,6-Dinitro-2-methylphenol	<850		850	340	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
4-Nitrophenol	<850		850	400	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Acenaphthene	<42		42	7.5	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Acenaphthylene	<42		42	5.5	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Anthracene	<42		42	7.0	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Benzo[a]anthracene	<42		42	5.6	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Benzo[a]pyrene	<42		42	8.1	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Benzo[b]fluoranthene	**11**	**J**	42	9.0	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Benzo[g,h,i]perylene	<42		42	14	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Benzo[k]fluoranthene	<42		42	12	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Carbazole	<210		210	100	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Chrysene	<42		42	11	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Dibenz(a,h)anthracene	<42		42	8.1	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Dibenzofuran	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Fluoranthene	**41**	**J**	42	7.8	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Fluorene	<42		42	5.9	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Hexachlorobenzene	<85		85	9.7	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Hexachloroethane	<210		210	64	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1

Client Sample ID: VL60-3(0-2)-012720

Date Collected: 01/27/20 10:45
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-10

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	☼	02/05/20 07:34	02/05/20 23:24	1
Isophorone	<210		210	47	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Naphthalene	<42		42	6.4	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Nitrobenzene	<42		42	10	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
N-Nitrosodi-n-propylamine	<85		85	51	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Pentachlorophenol	<850		850	670	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Phenanthrene	<42		42	5.8	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Phenol	<210		210	93	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1
Pyrene	**9.2**	**J**	42	8.3	ug/Kg	☼	02/05/20 07:34	02/05/20 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*108*		*31 - 143*	*02/05/20 07:34*	*02/05/20 23:24*	*1*
2-Fluorobiphenyl	*83*		*43 - 145*	*02/05/20 07:34*	*02/05/20 23:24*	*1*
2-Fluorophenol	*91*		*31 - 166*	*02/05/20 07:34*	*02/05/20 23:24*	*1*
Nitrobenzene-d5	*86*		*37 - 147*	*02/05/20 07:34*	*02/05/20 23:24*	*1*
Phenol-d5	*60*		*30 - 153*	*02/05/20 07:34*	*02/05/20 23:24*	*1*
Terphenyl-d14	*121*		*42 - 157*	*02/05/20 07:34*	*02/05/20 23:24*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:33	02/10/20 11:43	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 11:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 11:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 11:43	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:43	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 14:48	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:43	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 11:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 11:43	1
Manganese	**1.0**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:43	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 14:48	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 11:43	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:43	1
Zinc	**0.098**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 11:43	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.041**	**J**	0.050	0.010	mg/L		02/07/20 14:27	02/10/20 09:47	1
Barium	**0.65**		0.50	0.050	mg/L		02/07/20 14:27	02/10/20 09:47	1
Beryllium	**0.0075**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 09:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 09:47	1
Chromium	**0.20**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:47	1
Cobalt	**0.059**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:47	1
Copper	**0.16**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:47	1
Iron	**190**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 09:47	1
Lead	**0.10**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 09:47	1
Manganese	**0.95**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:47	1
Nickel	**0.18**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:47	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 09:47	1

Client Sample ID: VL60-3(0-2)-012720

Date Collected: 01/27/20 10:45
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-10

Matrix: Solid
Percent Solids: 78.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:47	1
Zinc	**0.44**	**J**	0.50	0.020	mg/L		02/07/20 14:27	02/10/20 09:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.32**	**J**	1.2	0.24	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Arsenic	**7.0**		0.62	0.21	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Barium	**66**		0.62	0.071	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Beryllium	**0.96**		0.25	0.058	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Cadmium	**0.26**	**B**	0.12	0.022	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Calcium	**19000**	**B**	12	2.1	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Chromium	**21**		0.62	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Cobalt	**14**		0.31	0.081	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Copper	**24**		0.62	0.17	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Iron	**19000**		12	6.4	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Lead	**23**		0.31	0.14	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Magnesium	**14000**		6.2	3.1	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Manganese	**330**		0.62	0.090	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Nickel	**33**		0.62	0.18	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Potassium	**3300**		31	11	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Selenium	<0.62		0.62	0.36	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Silver	**4.4**		0.31	0.080	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Sodium	**2500**		62	9.2	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Vanadium	**31**		0.31	0.073	mg/Kg	☼	01/31/20 06:53	02/01/20 04:02	1
Zinc	**71**		1.2	0.54	mg/Kg	☼	01/31/20 06:53	02/04/20 03:29	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		02/13/20 16:40	02/14/20 12:15	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		02/13/20 16:40	02/17/20 11:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		19	6.3	ug/Kg	☼	02/14/20 15:25	02/15/20 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			02/03/20 15:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177001-1

Client Sample ID: VL60-4(0-5)-012720
Date Collected: 01/27/20 11:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-11
Matrix: Solid
Percent Solids: 85.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
1,1,2-Trichloroethane	<1.9		1.9	0.80	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
1,1-Dichloroethane	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
1,1-Dichloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
1,2-Dichloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
1,2-Dichloropropane	<1.9		1.9	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
1,3-Dichloropropene, Total	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Acetone	<19		19	8.1	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Benzene	<1.9		1.9	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Bromoform	<1.9		1.9	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Bromomethane	<4.6		4.6	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Carbon disulfide	<4.6		4.6	0.97	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Carbon tetrachloride	<1.9		1.9	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Chlorobenzene	<1.9		1.9	0.69	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Chloroethane	<4.6		4.6	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Chloroform	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Chloromethane	<4.6		4.6	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
cis-1,2-Dichloroethene	<1.9		1.9	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
cis-1,3-Dichloropropene	<1.9		1.9	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Ethylbenzene	<1.9		1.9	0.89	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Methyl Ethyl Ketone	<4.6		4.6	2.1	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
methyl isobutyl ketone	<4.6		4.6	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Methyl tert-butyl ether	<1.9		1.9	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Methylene Chloride	<4.6		4.6	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Styrene	<1.9		1.9	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Tetrachloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
trans-1,2-Dichloroethene	<1.9		1.9	0.82	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
trans-1,3-Dichloropropene	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Trichloroethene	<1.9		1.9	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Vinyl chloride	<1.9		1.9	0.82	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1
Xylenes, Total	<3.7		3.7	0.59	ug/Kg	☼	01/28/20 17:20	02/05/20 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*	*01/28/20 17:20*	*02/05/20 16:17*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/28/20 17:20*	*02/05/20 16:17*	*1*
Dibromofluoromethane	*105*		*75 - 126*	*01/28/20 17:20*	*02/05/20 16:17*	*1*
Toluene-d8 (Surr)	*88*		*75 - 124*	*01/28/20 17:20*	*02/05/20 16:17*	*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	☼	02/05/20 07:34	02/06/20 19:24	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1

Client Sample ID: VL60-4(0-5)-012720
Date Collected: 01/27/20 11:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-11
Matrix: Solid
Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2-Methylnaphthalene	**16**	**J**	78	7.1	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2-Methylphenol	<190		190	62	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Acenaphthene	**45**		38	6.9	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Acenaphthylene	**61**		38	5.1	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Anthracene	**75**		38	6.4	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Benzo[a]anthracene	**320**		38	5.2	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Benzo[a]pyrene	**460**		38	7.4	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Benzo[b]fluoranthene	**680**		38	8.3	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Benzo[g,h,i]perylene	**200**		38	12	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Benzo[k]fluoranthene	**240**		38	11	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Bis(2-ethylhexyl) phthalate	**340**		190	70	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Carbazole	<190		190	96	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Chrysene	**430**		38	10	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Dibenz(a,h)anthracene	**63**		38	7.4	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Dibenzofuran	**69**	**J**	190	45	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Di-n-butyl phthalate	**77**	**J**	190	59	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Fluoranthene	**700**		38	7.1	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Fluorene	**24**	**J**	38	5.4	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Hexachloroethane	<190		190	58	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1

Client Sample ID: VL60-4(0-5)-012720

Date Collected: 01/27/20 11:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-11

Matrix: Solid
Percent Solids: 85.1

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	**200**		38	10	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Isophorone	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Naphthalene	**38**		38	5.9	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Phenanthrene	**250**		38	5.4	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Phenol	<190		190	85	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1
Pyrene	**480**		38	7.6	ug/Kg	☼	02/05/20 07:34	02/06/20 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*31 - 143*	*02/05/20 07:34*	*02/06/20 19:24*	*1*
2-Fluorobiphenyl	*75*		*43 - 145*	*02/05/20 07:34*	*02/06/20 19:24*	*1*
2-Fluorophenol	*84*		*31 - 166*	*02/05/20 07:34*	*02/06/20 19:24*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*02/05/20 07:34*	*02/06/20 19:24*	*1*
Phenol-d5	*75*		*30 - 153*	*02/05/20 07:34*	*02/06/20 19:24*	*1*
Terphenyl-d14	*127*		*42 - 157*	*02/05/20 07:34*	*02/06/20 19:24*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:33	02/10/20 11:51	1
Barium	**0.46**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 11:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 11:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 11:51	1
Chromium	**0.011**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:51	1
Cobalt	**0.010**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 14:57	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:51	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 11:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 11:51	1
Manganese	**3.0**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:51	1
Nickel	**0.027**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 14:57	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 11:51	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:51	1
Zinc	**0.27**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 11:51	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		02/07/20 14:27	02/10/20 09:51	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		02/07/20 14:27	02/10/20 09:51	1
Beryllium	**0.0052**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 09:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 09:51	1
Chromium	**0.15**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:51	1
Cobalt	**0.033**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:51	1
Copper	**0.16**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:51	1
Iron	**150**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 09:51	1
Lead	**0.15**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 09:51	1
Manganese	**0.83**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:51	1
Nickel	**0.13**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:51	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 09:51	1

Client Sample ID: VL60-4(0-5)-012720

Date Collected: 01/27/20 11:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-11

Matrix: Solid
Percent Solids: 85.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:51	1
Zinc	**0.46**	**J**	0.50	0.020	mg/L		02/07/20 14:27	02/10/20 09:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.42**	**J**	1.2	0.23	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Arsenic	**6.5**		0.58	0.20	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Barium	**19**		0.58	0.066	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Beryllium	**0.43**		0.23	0.054	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Cadmium	**0.21**	**B**	0.12	0.021	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Calcium	**150000**	**B**	120	20	mg/Kg	☼	01/31/20 06:53	02/04/20 03:38	10
Chromium	**9.6**		0.58	0.29	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Cobalt	**6.5**		0.29	0.076	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Copper	**18**		0.58	0.16	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Iron	**18000**	**B**	120	61	mg/Kg	☼	01/31/20 06:53	02/04/20 03:38	10
Lead	**14**		0.29	0.13	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Magnesium	**86000**	**B**	58	29	mg/Kg	☼	01/31/20 06:53	02/04/20 03:38	10
Manganese	**380**		0.58	0.085	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Nickel	**18**		0.58	0.17	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Potassium	**1400**		29	10	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Selenium	**0.55**	**J**	0.58	0.34	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Silver	**1.8**		0.29	0.075	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Sodium	**700**		58	8.6	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Vanadium	**18**		0.29	0.069	mg/Kg	☼	01/31/20 06:53	02/01/20 04:06	1
Zinc	**36**		1.2	0.51	mg/Kg	☼	01/31/20 06:53	02/04/20 03:34	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		02/13/20 16:40	02/14/20 12:16	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		02/13/20 16:40	02/17/20 11:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		19	6.4	ug/Kg	☼	02/14/20 15:25	02/15/20 11:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			02/03/20 15:46	1

Client Sample ID: VL60-4(0-5)-012720D

Date Collected: 01/27/20 11:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-12

Matrix: Solid
Percent Solids: 84.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.9		1.9	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
1,1,2,2-Tetrachloroethane	<1.9		1.9	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
1,1,2-Trichloroethane	<1.9		1.9	0.81	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
1,1-Dichloroethane	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
1,1-Dichloroethene	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
1,2-Dichloroethane	<4.7		4.7	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
1,2-Dichloropropane	<1.9		1.9	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
1,3-Dichloropropene, Total	<1.9		1.9	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
2-Hexanone	<4.7		4.7	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Acetone	**10**	**J**	19	8.2	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Benzene	<1.9		1.9	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Bromodichloromethane	<1.9		1.9	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Bromoform	<1.9		1.9	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Bromomethane	<4.7		4.7	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Carbon disulfide	<4.7		4.7	0.98	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Carbon tetrachloride	<1.9		1.9	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Chlorobenzene	<1.9		1.9	0.69	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Chloroethane	<4.7		4.7	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Chloroform	<1.9		1.9	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Chloromethane	<4.7		4.7	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
cis-1,2-Dichloroethene	<1.9		1.9	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
cis-1,3-Dichloropropene	<1.9		1.9	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Dibromochloromethane	<1.9		1.9	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Ethylbenzene	<1.9		1.9	0.90	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Methyl Ethyl Ketone	<4.7		4.7	2.1	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
methyl isobutyl ketone	<4.7		4.7	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Methyl tert-butyl ether	<1.9		1.9	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Methylene Chloride	<4.7		4.7	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Styrene	<1.9		1.9	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Tetrachloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Toluene	<1.9		1.9	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
trans-1,2-Dichloroethene	<1.9		1.9	0.83	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
trans-1,3-Dichloropropene	<1.9		1.9	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Trichloroethene	<1.9		1.9	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Vinyl chloride	<1.9		1.9	0.83	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1
Xylenes, Total	<3.8		3.8	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*	*01/28/20 17:20*	*02/05/20 16:43*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/28/20 17:20*	*02/05/20 16:43*	*1*
Dibromofluoromethane	*102*		*75 - 126*	*01/28/20 17:20*	*02/05/20 16:43*	*1*
Toluene-d8 (Surr)	*88*		*75 - 124*	*01/28/20 17:20*	*02/05/20 16:43*	*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	☼	02/05/20 07:34	02/07/20 14:48	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1

Client Sample ID: VL60-4(0-5)-012720D
Date Collected: 01/27/20 11:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-12
Matrix: Solid
Percent Solids: 84.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2-Methylnaphthalene	**18**	**J**	77	7.1	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2-Methylphenol	<190		190	62	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
4-Nitrophenol	<770		770	370	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Acenaphthene	**45**		38	6.9	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Acenaphthylene	**81**		38	5.1	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Anthracene	**140**		38	6.4	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Benzo[a]anthracene	**670**		38	5.2	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Benzo[a]pyrene	**960**		38	7.4	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Benzo[b]fluoranthene	**1100**		38	8.3	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Benzo[g,h,i]perylene	**390**		38	12	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Benzo[k]fluoranthene	**610**		38	11	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Bis(2-ethylhexyl) phthalate	**380**		190	70	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Butyl benzyl phthalate	**79**	**J**	190	73	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Carbazole	<190		190	96	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Chrysene	**780**		38	10	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Dibenz(a,h)anthracene	**93**		38	7.4	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Dibenzofuran	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Fluoranthene	**1300**		38	7.1	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Fluorene	**57**		38	5.4	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Hexachloroethane	<190		190	58	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1

Client Sample ID: VL60-4(0-5)-012720D

Date Collected: 01/27/20 11:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-12

Matrix: Solid
Percent Solids: 84.8

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	**370**		38	10	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Isophorone	<190		190	43	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Naphthalene	**12**	**J**	38	5.9	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Phenanthrene	**590**		38	5.4	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Phenol	<190		190	85	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1
Pyrene	**1400**		38	7.6	ug/Kg	☼	02/05/20 07:34	02/07/20 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*31 - 143*	*02/05/20 07:34*	*02/07/20 14:48*	*1*
2-Fluorobiphenyl	*78*		*43 - 145*	*02/05/20 07:34*	*02/07/20 14:48*	*1*
2-Fluorophenol	*85*		*31 - 166*	*02/05/20 07:34*	*02/07/20 14:48*	*1*
Nitrobenzene-d5	*65*		*37 - 147*	*02/05/20 07:34*	*02/07/20 14:48*	*1*
Phenol-d5	*86*		*30 - 153*	*02/05/20 07:34*	*02/07/20 14:48*	*1*
Terphenyl-d14	*136*		*42 - 157*	*02/05/20 07:34*	*02/07/20 14:48*	*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		02/08/20 16:33	02/10/20 11:55	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 11:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 11:55	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 11:55	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:55	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:01	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:55	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 11:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 11:55	1
Manganese	**2.3**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:55	1
Nickel	**0.018**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:01	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 11:55	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 11:55	1
Zinc	**0.31**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 11:55	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		02/07/20 14:27	02/10/20 09:55	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		02/07/20 14:27	02/10/20 09:55	1
Beryllium	**0.0048**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 09:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 09:55	1
Chromium	**0.14**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:55	1
Cobalt	**0.035**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:55	1
Copper	**0.15**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:55	1
Iron	**130**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 09:55	1
Lead	**0.18**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 09:55	1
Manganese	**0.96**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:55	1
Nickel	**0.12**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:55	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 09:55	1

Client Sample ID: VL60-4(0-5)-012720D

Date Collected: 01/27/20 11:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-12

Matrix: Solid
Percent Solids: 84.8

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 09:55	1
Zinc	**0.62**		0.50	0.020	mg/L		02/07/20 14:27	02/10/20 09:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.33**	**J**	1.1	0.22	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Arsenic	**2.4**		0.55	0.19	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Barium	**22**		0.55	0.063	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Beryllium	**0.41**		0.22	0.052	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Cadmium	**0.18**	**B**	0.11	0.020	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Calcium	**110000**	**B**	110	19	mg/Kg	☼	01/31/20 06:53	02/04/20 03:47	10
Chromium	**10**		0.55	0.27	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Cobalt	**3.7**		0.28	0.073	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Copper	**12**		0.55	0.16	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Iron	**12000**	**B**	110	58	mg/Kg	☼	01/31/20 06:53	02/04/20 03:47	10
Lead	**10**		0.28	0.13	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Magnesium	**67000**	**B**	55	27	mg/Kg	☼	01/31/20 06:53	02/04/20 03:47	10
Manganese	**310**		0.55	0.080	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Nickel	**13**		0.55	0.16	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Potassium	**1500**		28	9.8	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Selenium	<0.55		0.55	0.33	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Silver	**2.0**		0.28	0.072	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Sodium	**830**		55	8.2	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Vanadium	**15**		0.28	0.065	mg/Kg	☼	01/31/20 06:53	02/01/20 04:18	1
Zinc	**35**		1.1	0.49	mg/Kg	☼	01/31/20 06:53	02/04/20 03:43	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		02/13/20 16:40	02/14/20 12:18	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		02/13/20 16:40	02/17/20 11:20	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17**	**J**	20	6.5	ug/Kg	☼	02/14/20 15:25	02/15/20 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.9**		0.2	0.2	SU			02/03/20 15:53	1

Client Sample ID: VL60-5(0-3)-012720
Lab Sample ID: 500-177001-13

Date Collected: 01/27/20 11:15
Matrix: Solid

Date Received: 01/28/20 12:50
Percent Solids: 83.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
1,1,2-Trichloroethane	<1.5		1.5	0.65	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
1,1-Dichloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
1,2-Dichloropropane	<1.5		1.5	0.39	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
1,3-Dichloropropene, Total	<1.5		1.5	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Acetone	<15		15	6.6	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Bromoform	<1.5		1.5	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Carbon disulfide	<3.8		3.8	0.79	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Chloroethane	<3.8		3.8	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
cis-1,2-Dichloroethene	<1.5		1.5	0.42	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Ethylbenzene	<1.5		1.5	0.72	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Toluene	<1.5		1.5	0.38	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
trans-1,2-Dichloroethene	<1.5		1.5	0.67	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
trans-1,3-Dichloropropene	<1.5		1.5	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Trichloroethene	<1.5		1.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Vinyl chloride	<1.5		1.5	0.67	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1
Xylenes, Total	<3.0		3.0	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*	*01/28/20 17:20*	*02/05/20 17:08*	*1*
4-Bromofluorobenzene (Surr)	*104*		*75 - 131*	*01/28/20 17:20*	*02/05/20 17:08*	*1*
Dibromofluoromethane	*105*		*75 - 126*	*01/28/20 17:20*	*02/05/20 17:08*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/28/20 17:20*	*02/05/20 17:08*	*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	43	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1

Client Sample ID: VL60-5(0-3)-012720
Date Collected: 01/27/20 11:15
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-13
Matrix: Solid
Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2,4-Dinitrophenol	<800		800	690	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2-Methylphenol	<200		200	63	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Anthracene	<39		39	6.6	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Benzo[a]anthracene	**13**	**J**	39	5.3	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Benzo[a]pyrene	**26**	**J**	39	7.6	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Benzo[b]fluoranthene	**33**	**J**	39	8.5	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Benzo[g,h,i]perylene	**24**	**J**	39	13	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Benzo[k]fluoranthene	**13**	**J**	39	12	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Carbazole	<200		200	99	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Chrysene	**23**	**J**	39	11	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Dibenzofuran	<200		200	46	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Fluoranthene	**49**		39	7.3	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Fluorene	<39		39	5.5	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Hexachlorobenzene	<80		80	9.1	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Hexachloroethane	<200		200	60	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1

Client Sample ID: VL60-5(0-3)-012720

Date Collected: 01/27/20 11:15
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-13

Matrix: Solid
Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Isophorone	<200		200	44	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Naphthalene	<39		39	6.1	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
N-Nitrosodi-n-propylamine	<80		80	48	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Phenanthrene	**10**	**J**	39	5.5	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Phenol	<200		200	88	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1
Pyrene	**25**	**J**	39	7.8	ug/Kg	☼	02/05/20 07:34	02/05/20 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*115*		*31 - 143*	*02/05/20 07:34*	*02/05/20 23:51*	*1*
2-Fluorobiphenyl	*99*		*43 - 145*	*02/05/20 07:34*	*02/05/20 23:51*	*1*
2-Fluorophenol	*100*		*31 - 166*	*02/05/20 07:34*	*02/05/20 23:51*	*1*
Nitrobenzene-d5	*95*		*37 - 147*	*02/05/20 07:34*	*02/05/20 23:51*	*1*
Phenol-d5	*73*		*30 - 153*	*02/05/20 07:34*	*02/05/20 23:51*	*1*
Terphenyl-d14	*141*		*42 - 157*	*02/05/20 07:34*	*02/05/20 23:51*	*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		02/08/20 16:33	02/10/20 12:00	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 12:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 12:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 12:00	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:00	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:06	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:00	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 12:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 12:00	1
Manganese	**1.5**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:00	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:06	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 12:00	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:00	1
Zinc	<0.50		0.50	0.020	mg/L		02/08/20 16:33	02/10/20 12:00	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.075**		0.050	0.010	mg/L		02/07/20 14:27	02/10/20 10:00	1
Barium	**0.66**		0.50	0.050	mg/L		02/07/20 14:27	02/10/20 10:00	1
Beryllium	**0.0078**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 10:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 10:00	1
Chromium	**0.20**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:00	1
Cobalt	**0.083**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:00	1
Copper	**0.25**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:00	1
Iron	**210**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 10:00	1
Lead	**0.18**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 10:00	1
Manganese	**1.5**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:00	1
Nickel	**0.23**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:00	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 10:00	1

Client Sample ID: VL60-5(0-3)-012720

Date Collected: 01/27/20 11:15
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-13

Matrix: Solid
Percent Solids: 83.7

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:00	1
Zinc	**0.49**	**J**	0.50	0.020	mg/L		02/07/20 14:27	02/10/20 10:00	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.28**	**J**	1.1	0.22	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Arsenic	**4.9**		0.55	0.19	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Barium	**53**		0.55	0.063	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Beryllium	**0.86**		0.22	0.052	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Cadmium	**0.18**	**B**	0.11	0.020	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Calcium	**72000**	**B**	110	19	mg/Kg	☼	01/31/20 06:53	02/04/20 03:56	10
Chromium	**19**		0.55	0.27	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Cobalt	**4.9**		0.28	0.073	mg/Kg	☼	01/31/20 06:53	02/04/20 11:53	1
Copper	**19**		0.55	0.16	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Iron	**16000**		11	5.8	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Lead	**9.8**		0.28	0.13	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Magnesium	**27000**		5.5	2.7	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Manganese	**310**		0.55	0.080	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Nickel	**29**		0.55	0.16	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Potassium	**4200**		28	9.8	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Selenium	<0.55		0.55	0.33	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Silver	**3.4**		0.28	0.072	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Sodium	**1600**		55	8.2	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Vanadium	**25**		0.28	0.065	mg/Kg	☼	01/31/20 06:53	02/01/20 04:22	1
Zinc	**52**		1.1	0.49	mg/Kg	☼	01/31/20 06:53	02/04/20 03:52	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		02/13/20 16:40	02/14/20 12:19	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		02/13/20 16:40	02/17/20 11:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		19	6.4	ug/Kg	☼	02/14/20 15:25	02/15/20 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**		0.2	0.2	SU			02/03/20 15:56	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177001-1

Client Sample ID: VL60-6(0-2)-012720
Date Collected: 01/27/20 11:25
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-14
Matrix: Solid
Percent Solids: 78.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
1,1,2-Trichloroethane	<1.8		1.8	0.77	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
1,1-Dichloroethane	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
1,1-Dichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
1,3-Dichloropropene, Total	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Acetone	**44**		18	7.8	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Carbon disulfide	<4.5		4.5	0.93	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Chlorobenzene	<1.8		1.8	0.66	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Dibromochloromethane	<1.8		1.8	0.58	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Ethylbenzene	<1.8		1.8	0.85	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Methyl Ethyl Ketone	**7.8**		4.5	2.0	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Methyl tert-butyl ether	<1.8		1.8	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Tetrachloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
trans-1,2-Dichloroethene	<1.8		1.8	0.79	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Trichloroethene	<1.8		1.8	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Vinyl chloride	<1.8		1.8	0.79	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1
Xylenes, Total	<3.6		3.6	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*	*01/28/20 17:20*	*02/05/20 17:34*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/28/20 17:20*	*02/05/20 17:34*	*1*
Dibromofluoromethane	*104*		*75 - 126*	*01/28/20 17:20*	*02/05/20 17:34*	*1*
Toluene-d8 (Surr)	*87*		*75 - 124*	*01/28/20 17:20*	*02/05/20 17:34*	*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	☼	02/05/20 07:34	02/07/20 15:12	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1

Client Sample ID: VL60-6(0-2)-012720
Lab Sample ID: 500-177001-14
Date Collected: 01/27/20 11:25
Matrix: Solid
Date Received: 01/28/20 12:50
Percent Solids: 78.6

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	☼	02/05/20 07:34	02/07/20 15:12	1
2,4,6-Trichlorophenol	<420		420	140	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2-Methylnaphthalene	**83**	**J**	85	7.7	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2-Methylphenol	<210		210	67	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
2-Nitrophenol	<420		420	99	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
4,6-Dinitro-2-methylphenol	<850		850	340	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
4-Nitrophenol	<850		850	400	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Acenaphthene	**20**	**J**	42	7.5	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Acenaphthylene	**330**		42	5.5	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Anthracene	**160**		42	7.0	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Benzo[a]anthracene	**720**		42	5.6	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Benzo[a]pyrene	**1400**		42	8.1	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Benzo[b]fluoranthene	**1600**		42	9.0	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Benzo[g,h,i]perylene	**600**		42	13	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Benzo[k]fluoranthene	**960**		42	12	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Carbazole	<210		210	100	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Chrysene	**770**		42	11	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Dibenz(a,h)anthracene	**150**		42	8.1	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Dibenzofuran	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Di-n-butyl phthalate	<210		210	64	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Fluoranthene	**620**		42	7.8	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Fluorene	**46**		42	5.9	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Hexachlorobenzene	<85		85	9.7	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Hexachloroethane	<210		210	64	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1

Client Sample ID: VL60-6(0-2)-012720
Date Collected: 01/27/20 11:25
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-14
Matrix: Solid
Percent Solids: 78.6

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	**540**		42	11	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Isophorone	<210		210	47	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Naphthalene	**20**	**J**	42	6.4	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Nitrobenzene	<42		42	10	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
N-Nitrosodi-n-propylamine	<85		85	51	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Pentachlorophenol	<850		850	670	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Phenanthrene	**150**		42	5.8	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Phenol	<210		210	93	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1
Pyrene	**1000**		42	8.3	ug/Kg	☼	02/05/20 07:34	02/07/20 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*31 - 143*	*02/05/20 07:34*	*02/07/20 15:12*	*1*
2-Fluorobiphenyl	*83*		*43 - 145*	*02/05/20 07:34*	*02/07/20 15:12*	*1*
2-Fluorophenol	*93*		*31 - 166*	*02/05/20 07:34*	*02/07/20 15:12*	*1*
Nitrobenzene-d5	*72*		*37 - 147*	*02/05/20 07:34*	*02/07/20 15:12*	*1*
Phenol-d5	*88*		*30 - 153*	*02/05/20 07:34*	*02/07/20 15:12*	*1*
Terphenyl-d14	*140*		*42 - 157*	*02/05/20 07:34*	*02/07/20 15:12*	*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		02/08/20 16:33	02/10/20 12:04	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 12:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 12:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 12:04	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:04	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:11	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:04	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 12:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 12:04	1
Manganese	**4.3**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:04	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:11	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 12:04	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:04	1
Zinc	**0.055**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 12:04	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		02/07/20 14:27	02/10/20 10:04	1
Barium	**0.59**		0.50	0.050	mg/L		02/07/20 14:27	02/10/20 10:04	1
Beryllium	**0.0060**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 10:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 10:04	1
Chromium	**0.16**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:04	1
Cobalt	**0.050**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:04	1
Copper	**0.17**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:04	1
Iron	**130**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 10:04	1
Lead	**0.20**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 10:04	1
Manganese	**1.3**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:04	1
Nickel	**0.14**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:04	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 10:04	1

Client Sample ID: VL60-6(0-2)-012720

Date Collected: 01/27/20 11:25
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-14

Matrix: Solid
Percent Solids: 78.6

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:04	1
Zinc	**0.55**		0.50	0.020	mg/L		02/07/20 14:27	02/10/20 10:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.56**	**J**	1.3	0.25	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Arsenic	**5.1**		0.63	0.22	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Barium	**57**		0.63	0.072	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Beryllium	**0.84**		0.25	0.059	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Cadmium	**0.77**	**B**	0.13	0.023	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Calcium	**88000**	**B**	130	21	mg/Kg	☼	01/31/20 06:53	02/04/20 04:19	10
Chromium	**18**		0.63	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Cobalt	**8.4**		0.32	0.083	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Copper	**50**		0.63	0.18	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Iron	**20000**	**B**	130	66	mg/Kg	☼	01/31/20 06:53	02/04/20 04:19	10
Lead	**160**		0.32	0.15	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Magnesium	**54000**	**B**	63	31	mg/Kg	☼	01/31/20 06:53	02/04/20 04:19	10
Manganese	**320**		0.63	0.092	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Nickel	**22**		0.63	0.18	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Potassium	**2200**		32	11	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Selenium	<0.63		0.63	0.37	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Silver	**2.4**		0.32	0.081	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Sodium	**2200**		63	9.3	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Thallium	<0.63		0.63	0.32	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Vanadium	**22**		0.32	0.075	mg/Kg	☼	01/31/20 06:53	02/01/20 04:26	1
Zinc	**260**		1.3	0.55	mg/Kg	☼	01/31/20 06:53	02/04/20 04:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/13/20 16:40	02/15/20 13:29	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		02/13/20 16:40	02/17/20 11:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**37**		19	6.5	ug/Kg	☼	02/14/20 15:25	02/15/20 11:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.8**		0.2	0.2	SU			02/03/20 15:59	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177001-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-177001 COC

Chain of Custody Record

Lab Job #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 4.3, 5.8, 5.2, 5

Report To (optional)		Bill To (optional)	
Contact:	Andris Siesers	Contact:	Same
Company:	Weston Solutions, Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Naperville, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Siesers@WestonSolutions.com	PO#/Reference#:	

Client	Client Project #
Weston Solutions, Inc.	
Project Name	
IDOT Grayslake, IL	
Project Location/State	**Lab Project #**
Grayslake, IL	02056.016.009
Sampler	**Lab PM**
Alex Deno	Edwards Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	BH					Comments
1		LM-1(0-2)-012720	1/27/20	0841	6	S		x	x	x	x	x					
2		CB51-1(0-3)-012720		0850	6												
3		F54-1(0-2)-012720		0900	6												
4		F54-2(0-6)-012720		0910	6												
5		F54-2(0-6)-012720D		0910	6												
6		R56-1(0-4)-012720		0940	6												
7		R56-2(0-5)-012720		0950	6												
8		A1-1(0-4)-012720		1005	6												
9		A1-2(0-4)-012720		1020	6												
10		VL60-3(0-2)-012720		1045	6												

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
	Westonsol.	1/27/20	1730		Weston	1/27/2020	1730
	Weston	1/28/2020	1115		TA	1/28/20	1115
	TA	1/28/20	1250		TA-CAL	1/28/20	1250

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments

Lab Comments:

TAL-4124-500(1209)

2/17/2020

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 #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: Andris Siesens	Contact: Same
Company: Weston Solutions, Inc.	Company:
Address: 300 Pierce Circle. Ste 202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax: —	Fax:
E-Mail: Andris.Siesens@WestonSolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions, Inc.	02056.016.009
Project Name: IDOT Grayslake	
Project Location/State: Grayslake, IL	Lab Project #
Sampler: Alex Demo	Lab PM: Richard Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
11		VL60-4(0-5)-012720	1/27/20	1100	6	S	x	x	x	x	x					
12		VL60-4(0-5)-012720D		1100	6											
13		VL60-5(0-3)-012720		1115	6											
14		VL60-6(0-2)-012720		1125	6											
15		WM-3(0-4)-012720		1230	6											
16		WM-1(0-2)-012720		1240	6											
17		WM-2(0-2)-012720		1255	6											
18		WM-4(0-4)-012720		1300	5											
19		WM-4(0-4)-012720D		1300	5											
20		WM-5(0-4)-012720		1335	5											

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston Sol.	1/27/20	1730	[signature]	Weston	1/27/2020	1730
[signature]	Weston	1/28/2020	1135	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	[signature]	TA	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Hines - 939 S. IL 83 (ISGS Site No. 3079V2-61)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.32736 (Decimal Degrees) Longitude: - 88.02891 (-Decimal Degrees)

Identify how the lat/long data were determined:

☑ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 1,081

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: FAP 866 - IL 83 at IL 137 Latitude: 42.32736 Longitude: - 88.02891

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 HI-1 THROUGH HI-3 WERE SAMPLED ALONG THE HINES ROW. SEE FIGURES 3-5 AND 3-6, AND TABLE 4-1 OF THE 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 REPORTS - JOB IDs: 500-177004-1 AND 500-221122-1. ALSO SEE FIGURES 4-5 AND 4-6 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table - Hines (ISGS Site No. 3079V-61)
Comparison of Detected Constituents to Applicable Reference Concentrations
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	HI-1	HI-3	HI-3
Sample Date		1/27/2020	1/27/2020	8/18/2022
Field Sample ID		HI-1(0-4)-012720	HI-3(0-6)-012720	HI-3(6-12)-081822
ISGS Site No.		3079V-61	3079V-61	3079V-61
Laboratory pH	<6.25, >9.0	8.0	8.0	8.5
VOCs		**No Exceedances**		
SVOCs (mg/kg)				
2,4,5-Trichlorophenol	26	ND	0.19 J	ND
2,4,6-Trichlorophenol	0.66	ND	0.19 J	ND
2,4-Dichlorophenol	1	ND	0.16 J	ND
2-Methylnaphthalene	---	ND	0.027 J	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND
Acenaphthene	570	ND	0.06	ND
Acenaphthylene	---	0.043	0.045	ND
Anthracene	12000	0.045	0.056	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.01 J	0.048	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.027 J	0.1	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.018 J	0.14	ND
Benzo(g,h,i)perylene	---	ND	0.063	ND
Benzo(k)fluoranthene	9	ND	0.04 J	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND
Carbazole	0.6	ND	ND	ND
Chrysene	88	0.018 J	0.075	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	0.023 J	ND
Dibenzofuran	---	ND	0.081 J	ND
Di-N-Butyl phthalate	2300	0.077 J	0.081 J	ND
Fluoranthene	3100	0.031 J	0.13	ND
Fluorene	560	ND	0.028 J	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.02 J	0.06	ND
Naphthalene	1.8	ND	0.056	ND
Pentachlorophenol	0.03	ND	ND	ND
Phenanthrene	---	0.017 J	0.08	0.006 J
Pyrene	2300	0.042	0.092	ND
Pesticides (mg/kg)				
4,4-DDD	3	---	---	---
4,4-DDE	2	---	---	---
Dieldrin	0.603	---	---	---
PCBs (mg/kg)				
Aroclor-1248	1	---	---	---
Total Inorganics (mg/kg)				
Aluminum, Total	---	ND	ND	ND
Antimony, Total	5	0.91 J	0.84 J	0.31 J
Arsenic, Total	11.3 / 13.0	10	7.7	6.4
Barium, Total	1500	74	59	36
Beryllium, Total	22	1.1	1	0.68
Cadmium, Total	5.2	0.22	0.23	ND
Calcium, Total	---	16000 B	17000 B	76000 B
Chromium, Total	21	23	22	15
Cobalt, Total	20	16	14	11
Copper, Total	2900	27	23	24
Cyanide, Total	0.2	---	---	---
Iron, Total	15000 / 15900	24000	22000	18000
Lead, Total	107	19	19	13
Magnesium, Total	325000	11000	12000	30000 B
Manganese, Total	630 / 636	430	390	380
Mercury, Total	0.89	0.029	0.024	0.019
Nickel, Total	100	40	33	28
Potassium, Total	---	2500	3000	1700
Selenium, Total	1.3	0.39 J	0.62	ND
Silver, Total	4.4	4.1	3.5	0.23 J
Sodium, Total	---	2400	1400	270
Thallium, Total	2.6	ND	ND	ND
Vanadium, Total	550	36	32	18
Zinc, Total	5100	67	76	51 J

Summary Table - Hines (ISGS Site No. 3079V-61)
Comparison of Detected Constituents to Applicable Reference Concentrations
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	HI-1	HI-3	HI-3
Sample Date		1/27/2020	1/27/2020	8/18/2022
Field Sample ID		HI-1(0-4)-012720	HI-3(0-6)-012720	HI-3(6-12)-081822
ISGS Site No.		3079V-61	3079V-61	3079V-61
TCLP Metals (mg/l)				
Arsenic, TCLP	0.05	ND	ND	ND
Barium, TCLP	2	0.57	0.45 J	0.3 J
Beryllium, TCLP	0.004	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND
Cobalt, TCLP	1	0.025	0.024 J	ND
Copper, TCLP	0.65	ND	ND	ND
Iron, TCLP	5	ND	ND	0.24 J
Lead, TCLP	0.0075	ND	ND	ND
Manganese, TCLP	0.15	9.5	9	0.93
Mercury, TCLP	0.002	ND	ND	ND
Nickel, TCLP	0.1	0.019 J	0.013 J	ND
Selenium, TCLP	0.05	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND
Zinc, TCLP	5	ND	0.17 J	ND
SPLP Metals (mg/l)				
Arsenic, SPLP	0.05	0.038 J	0.059	0.073
Barium, SPLP	2	0.5	0.58	0.5
Beryllium, SPLP	0.004	0.0059	0.0074	0.0083
Cadmium, SPLP	0.005	ND	ND	ND
Chromium, SPLP	0.1	0.12	0.15	0.16
Cobalt, SPLP	1	0.046	0.065	0.058
Copper, SPLP	0.65	0.11	0.21	0.26
Iron, SPLP	5	120	150	190
Lead, SPLP	0.0075	0.079	0.11	0.091
Manganese, SPLP	0.15	0.96	1.4	0.9
Mercury, SPLP	0.002	ND	ND	ND
Nickel, SPLP	0.1	0.13	0.19	0.23
Selenium, SPLP	0.05	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND
Zinc, SPLP	5	ND	0.58 B	0.46 J

Notes:

--- - not applicable or value not available.
Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.
ND - Constituent not detected above the reporting limit.
J - Estimated concentration.
Yellow shaded values indicate concentration exceeds MAC Table 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: 500-177004-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/15/2020 5:45:26 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

Review your project results through TotalAccess

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: HI-1(0-4)-012720

Date Collected: 01/27/20 14:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-2

Matrix: Solid
Percent Solids: 81.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
1,1,2-Trichloroethane	<1.6		1.6	0.68	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Acetone	**27**		16	6.9	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Bromodichloromethane	<1.6		1.6	0.32	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Chloroethane	<4.0		4.0	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Methyl Ethyl Ketone	**2.6**	**J**	4.0	1.8	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	01/28/20 17:20	02/06/20 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*01/28/20 17:20*	*02/06/20 12:28*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/28/20 17:20*	*02/06/20 12:28*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*01/28/20 17:20*	*02/06/20 12:28*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*01/28/20 17:20*	*02/06/20 12:28*	*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	☼	02/03/20 18:06	02/04/20 16:38	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1

Client Sample ID: HI-1(0-4)-012720
Date Collected: 01/27/20 14:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-2
Matrix: Solid
Percent Solids: 81.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2-Methylnaphthalene	<82		82	7.4	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2-Methylphenol	<200		200	65	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Acenaphthylene	**43**		40	5.3	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Anthracene	**45**		40	6.8	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Benzo[a]anthracene	**10**	**J**	40	5.4	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Benzo[a]pyrene	**27**	**J**	40	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Benzo[b]fluoranthene	**18**	**J**	40	8.7	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Carbazole	<200		200	100	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Chrysene	**18**	**J**	40	11	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Di-n-butyl phthalate	**77**	**J**	200	62	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Fluoranthene	**31**	**J**	40	7.5	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Fluorene	<40		40	5.7	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Hexachloroethane	<200		200	62	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1

Client Sample ID: HI-1(0-4)-012720
Date Collected: 01/27/20 14:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-2
Matrix: Solid
Percent Solids: 81.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**20**	**J**	40	10	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Isophorone	<200		200	45	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
N-Nitrosodi-n-propylamine	<82		82	49	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Phenanthrene	**17**	**J**	40	5.6	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Phenol	<200		200	90	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1
Pyrene	**42**		40	8.0	ug/Kg	☼	02/03/20 18:06	02/04/20 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*104*		*31 - 143*	*02/03/20 18:06*	*02/04/20 16:38*	*1*
2-Fluorobiphenyl	*89*		*43 - 145*	*02/03/20 18:06*	*02/04/20 16:38*	*1*
2-Fluorophenol	*106*		*31 - 166*	*02/03/20 18:06*	*02/04/20 16:38*	*1*
Nitrobenzene-d5	*109*		*37 - 147*	*02/03/20 18:06*	*02/04/20 16:38*	*1*
Phenol-d5	*88*		*30 - 153*	*02/03/20 18:06*	*02/04/20 16:38*	*1*
Terphenyl-d14	*115*		*42 - 157*	*02/03/20 18:06*	*02/04/20 16:38*	*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		02/08/20 16:36	02/10/20 09:19	1
Barium	**0.57**		0.50	0.050	mg/L		02/08/20 16:36	02/10/20 09:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 09:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 09:19	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:19	1
Cobalt	**0.025**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:19	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:19	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 09:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 09:19	1
Manganese	**9.5**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:19	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:19	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 09:19	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:19	1
Zinc	**0.13**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 09:19	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		02/08/20 16:30	02/10/20 09:08	1
Barium	**0.50**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:08	1
Beryllium	**0.0059**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:08	1
Chromium	**0.12**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:08	1
Cobalt	**0.046**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:08	1
Copper	**0.11**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:08	1
Iron	**120**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:08	1
Lead	**0.079**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:08	1
Manganese	**0.96**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:08	1
Nickel	**0.13**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:08	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:08	1

Client Sample ID: HI-1(0-4)-012720

Date Collected: 01/27/20 14:00
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-2

Matrix: Solid
Percent Solids: 81.4

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:08	1
Zinc	**0.28**	**J B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.91**	**J**	1.2	0.23	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Arsenic	**10**		0.58	0.20	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Barium	**74**		0.58	0.066	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Beryllium	**1.1**		0.23	0.054	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Cadmium	**0.22**		0.12	0.021	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Calcium	**16000**	**B**	12	2.0	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Chromium	**23**		0.58	0.29	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Cobalt	**16**		0.29	0.076	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Copper	**27**		0.58	0.16	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Iron	**24000**		12	6.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Lead	**19**		0.29	0.13	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Magnesium	**11000**		5.8	2.9	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Manganese	**430**		0.58	0.084	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Nickel	**40**		0.58	0.17	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Potassium	**2500**		29	10	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Selenium	**0.39**	**J**	0.58	0.34	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Silver	**4.1**		0.29	0.075	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Sodium	**2400**		58	8.6	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Vanadium	**36**		0.29	0.069	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	1
Zinc	**67**		1.2	0.51	mg/Kg	☼	02/03/20 07:15	02/03/20 23:19	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		02/13/20 10:55	02/14/20 08:20	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		02/13/20 16:40	02/14/20 09:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		20	6.5	ug/Kg	☼	02/13/20 16:05	02/14/20 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			02/03/20 16:26	1

Client Sample ID: HI-2(0-3)-012720

Date Collected: 01/27/20 14:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-3

Matrix: Solid
Percent Solids: 79.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0	0.68	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.64	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
1,1,2-Trichloroethane	<2.0		2.0	0.87	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
1,1-Dichloroethane	<2.0		2.0	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
1,1-Dichloroethene	<2.0		2.0	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
1,2-Dichloroethane	<5.0		5.0	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
1,2-Dichloropropane	<2.0		2.0	0.52	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
1,3-Dichloropropene, Total	<2.0		2.0	0.71	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
2-Hexanone	<5.0		5.0	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Acetone	<20		20	8.8	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Benzene	<2.0		2.0	0.51	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Bromodichloromethane	<2.0		2.0	0.41	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Bromoform	<2.0		2.0	0.59	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Bromomethane	<5.0		5.0	1.9	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Carbon disulfide	<5.0		5.0	1.0	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Carbon tetrachloride	<2.0		2.0	0.58	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Chlorobenzene	<2.0		2.0	0.74	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Chloroethane	<5.0		5.0	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Chloroform	<2.0		2.0	0.70	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Chloromethane	<5.0		5.0	2.0	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
cis-1,2-Dichloroethene	<2.0		2.0	0.56	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
cis-1,3-Dichloropropene	<2.0		2.0	0.61	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Dibromochloromethane	<2.0		2.0	0.66	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Ethylbenzene	<2.0		2.0	0.97	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Methyl Ethyl Ketone	<5.0		5.0	2.2	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
methyl isobutyl ketone	<5.0		5.0	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Methyl tert-butyl ether	<2.0		2.0	0.59	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Methylene Chloride	<5.0		5.0	2.0	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Styrene	<2.0		2.0	0.61	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Tetrachloroethene	<2.0		2.0	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Toluene	<2.0		2.0	0.51	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
trans-1,2-Dichloroethene	<2.0		2.0	0.89	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
trans-1,3-Dichloropropene	<2.0		2.0	0.71	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Trichloroethene	<2.0		2.0	0.68	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Vinyl chloride	<2.0		2.0	0.89	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1
Xylenes, Total	<4.0		4.0	0.65	ug/Kg	☼	01/28/20 17:20	02/06/20 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*01/28/20 17:20*	*02/06/20 12:54*	*1*
4-Bromofluorobenzene (Surr)	*106*		*75 - 131*	*01/28/20 17:20*	*02/06/20 12:54*	*1*
Dibromofluoromethane	*95*		*75 - 126*	*01/28/20 17:20*	*02/06/20 12:54*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*	*01/28/20 17:20*	*02/06/20 12:54*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	45	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1

Client Sample ID: HI-2(0-3)-012720
Date Collected: 01/27/20 14:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-3
Matrix: Solid
Percent Solids: 79.4

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	☼	02/03/20 18:06	02/04/20 17:08	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2-Methylnaphthalene	<84		84	7.7	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2-Methylphenol	<210		210	67	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
4,6-Dinitro-2-methylphenol	<840		840	330	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Acenaphthene	**40**	**J**	41	7.5	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Acenaphthylene	**52**		41	5.5	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Anthracene	**52**		41	7.0	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Benzo[a]anthracene	**71**		41	5.6	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Benzo[a]pyrene	**120**		41	8.1	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Benzo[b]fluoranthene	**160**		41	9.0	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Benzo[g,h,i]perylene	**77**		41	13	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Benzo[k]fluoranthene	**62**		41	12	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Bis(2-ethylhexyl) phthalate	**83**	**J**	210	76	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Carbazole	<210		210	100	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Chrysene	**100**		41	11	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Dibenz(a,h)anthracene	**19**	**J**	41	8.0	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Dibenzofuran	**71**	**J**	210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Diethyl phthalate	<210		210	71	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Di-n-butyl phthalate	**82**	**J**	210	63	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Fluoranthene	**180**		41	7.7	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Fluorene	<41		41	5.9	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Hexachlorobenzene	<84		84	9.7	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Hexachloroethane	<210		210	63	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1

Client Sample ID: HI-2(0-3)-012720

Date Collected: 01/27/20 14:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-3

Matrix: Solid
Percent Solids: 79.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**63**		41	11	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Isophorone	<210		210	47	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Naphthalene	**34**	**J**	41	6.4	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Nitrobenzene	<41		41	10	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
N-Nitrosodi-n-propylamine	<84		84	51	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Phenanthrene	**64**		41	5.8	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Phenol	<210		210	93	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1
Pyrene	**130**		41	8.3	ug/Kg	☼	02/03/20 18:06	02/04/20 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*31 - 143*	*02/03/20 18:06*	*02/04/20 17:08*	*1*
2-Fluorobiphenyl	*79*		*43 - 145*	*02/03/20 18:06*	*02/04/20 17:08*	*1*
2-Fluorophenol	*93*		*31 - 166*	*02/03/20 18:06*	*02/04/20 17:08*	*1*
Nitrobenzene-d5	*89*		*37 - 147*	*02/03/20 18:06*	*02/04/20 17:08*	*1*
Phenol-d5	*83*		*30 - 153*	*02/03/20 18:06*	*02/04/20 17:08*	*1*
Terphenyl-d14	*111*		*42 - 157*	*02/03/20 18:06*	*02/04/20 17:08*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:36	02/10/20 09:24	1
Barium	**0.52**		0.50	0.050	mg/L		02/08/20 16:36	02/10/20 09:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 09:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 09:24	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:24	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:24	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:24	1
Iron	**0.23**	**J**	0.40	0.20	mg/L		02/08/20 16:36	02/10/20 09:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 09:24	1
Manganese	**1.6**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:24	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:24	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 09:24	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:24	1
Zinc	**0.26**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 09:24	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.048**	**J**	0.050	0.010	mg/L		02/08/20 16:30	02/10/20 09:12	1
Barium	**0.63**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:12	1
Beryllium	**0.0074**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:12	1
Chromium	**0.15**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:12	1
Cobalt	**0.053**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:12	1
Copper	**0.16**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:12	1
Iron	**140**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:12	1
Lead	**0.13**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:12	1
Manganese	**1.4**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:12	1
Nickel	**0.16**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:12	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:12	1

Client Sample ID: HI-2(0-3)-012720

Date Collected: 01/27/20 14:10
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-3

Matrix: Solid
Percent Solids: 79.4

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:12	1
Zinc	**0.46**	**J B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.81**	**J**	1.2	0.23	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Arsenic	**6.7**		0.59	0.20	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Barium	**73**		0.59	0.067	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Beryllium	**0.96**		0.24	0.055	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Cadmium	**0.23**		0.12	0.021	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Calcium	**22000**	**B**	12	2.0	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Chromium	**21**		0.59	0.29	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Cobalt	**13**		0.30	0.078	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Copper	**23**		0.59	0.17	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Iron	**20000**		12	6.2	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Lead	**26**		0.30	0.14	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Magnesium	**14000**		5.9	2.9	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Manganese	**640**		0.59	0.086	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Nickel	**30**		0.59	0.17	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Potassium	**2900**		30	10	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Selenium	**0.61**		0.59	0.35	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Silver	**3.3**		0.30	0.076	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Sodium	**2700**		59	8.8	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Thallium	<0.59		0.59	0.30	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Vanadium	**31**		0.30	0.070	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	1
Zinc	**75**		1.2	0.52	mg/Kg	☼	02/03/20 07:15	02/03/20 23:23	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		02/13/20 10:55	02/14/20 08:21	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		02/13/20 16:40	02/14/20 09:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		20	6.8	ug/Kg	☼	02/13/20 16:05	02/14/20 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			02/03/20 16:33	1

Client Sample ID: HI-3(0-6)-012720

Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4

Matrix: Solid
Percent Solids: 78.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.1		2.1	0.69	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1,2,2-Tetrachloroethane	<2.1		2.1	0.66	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1,2-Trichloroethane	<2.1		2.1	0.89	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1-Dichloroethane	<2.1		2.1	0.71	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,1-Dichloroethene	<2.1		2.1	0.71	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,2-Dichloroethane	<5.2		5.2	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,2-Dichloropropane	<2.1		2.1	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
1,3-Dichloropropene, Total	<2.1		2.1	0.72	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
2-Hexanone	<5.2		5.2	1.6	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Acetone	**61**		21	9.0	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Benzene	<2.1		2.1	0.53	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Bromodichloromethane	<2.1		2.1	0.42	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Bromoform	<2.1		2.1	0.60	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Bromomethane	<5.2		5.2	2.0	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Carbon disulfide	<5.2		5.2	1.1	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Carbon tetrachloride	<2.1		2.1	0.60	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chlorobenzene	<2.1		2.1	0.76	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chloroethane	<5.2		5.2	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chloroform	<2.1		2.1	0.72	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Chloromethane	<5.2		5.2	2.1	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
cis-1,2-Dichloroethene	<2.1		2.1	0.58	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
cis-1,3-Dichloropropene	<2.1		2.1	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Dibromochloromethane	<2.1		2.1	0.67	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Ethylbenzene	<2.1		2.1	0.99	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Methyl Ethyl Ketone	**9.4**		5.2	2.3	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
methyl isobutyl ketone	<5.2		5.2	1.5	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Methyl tert-butyl ether	<2.1		2.1	0.61	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Methylene Chloride	<5.2		5.2	2.0	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Styrene	<2.1		2.1	0.62	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Tetrachloroethene	<2.1		2.1	0.70	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Toluene	<2.1		2.1	0.52	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
trans-1,2-Dichloroethene	<2.1		2.1	0.91	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
trans-1,3-Dichloropropene	<2.1		2.1	0.72	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Trichloroethene	<2.1		2.1	0.70	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Vinyl chloride	<2.1		2.1	0.91	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1
Xylenes, Total	**1.1**	**J**	4.1	0.66	ug/Kg	☼	01/28/20 17:20	02/06/20 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*01/28/20 17:20*	*02/06/20 13:19*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 131*	*01/28/20 17:20*	*02/06/20 13:19*	*1*
Dibromofluoromethane	*96*		*75 - 126*	*01/28/20 17:20*	*02/06/20 13:19*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*01/28/20 17:20*	*02/06/20 13:19*	*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	☼	02/03/20 18:06	02/04/20 17:38	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
1,4-Dichlorobenzene	<210		210	54	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1

Client Sample ID: HI-3(0-6)-012720
Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4
Matrix: Solid
Percent Solids: 78.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	**190**	**J**	420	96	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4,6-Trichlorophenol	**190**	**J**	420	140	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dichlorophenol	**160**	**J**	420	100	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dinitrophenol	<850		850	740	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,4-Dinitrotoluene	<210		210	67	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2,6-Dinitrotoluene	<210		210	83	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Chlorophenol	<210		210	72	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Methylnaphthalene	**27**	**J**	85	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Methylphenol	<210		210	68	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
3 & 4 Methylphenol	<210		210	70	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
3,3'-Dichlorobenzidine	<210		210	59	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4,6-Dinitro-2-methylphenol	<850		850	340	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Chloroaniline	<850		850	200	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
4-Nitrophenol	<850		850	400	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Acenaphthene	**60**		42	7.6	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Acenaphthylene	**45**		42	5.6	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Anthracene	**56**		42	7.1	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[a]anthracene	**48**		42	5.7	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[a]pyrene	**100**		42	8.2	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[b]fluoranthene	**140**		42	9.1	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[g,h,i]perylene	**63**		42	14	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Benzo[k]fluoranthene	**40**	**J**	42	12	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Bis(2-chloroethyl)ether	<210		210	63	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Bis(2-ethylhexyl) phthalate	<210		210	77	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Butyl benzyl phthalate	<210		210	80	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Carbazole	<210		210	110	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Chrysene	**75**		42	12	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Dibenz(a,h)anthracene	**23**	**J**	42	8.2	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Dibenzofuran	**81**	**J**	210	49	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Dimethyl phthalate	<210		210	55	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Di-n-butyl phthalate	**81**	**J**	210	64	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Di-n-octyl phthalate	<210		210	69	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Fluoranthene	**130**		42	7.8	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Fluorene	**28**	**J**	42	5.9	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachlorobenzene	<85		85	9.8	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachlorobutadiene	<210		210	66	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachlorocyclopentadiene	<850		850	240	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Hexachloroethane	<210		210	64	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177004-1

Client Sample ID: HI-3(0-6)-012720
Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4
Matrix: Solid
Percent Solids: 78.3

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	**60**		42	11	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Isophorone	<210		210	47	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Naphthalene	**56**		42	6.5	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Nitrobenzene	<42		42	11	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
N-Nitrosodi-n-propylamine	<85		85	52	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Pentachlorophenol	<850		850	680	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Phenanthrene	**80**		42	5.9	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Phenol	<210		210	94	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1
Pyrene	**92**		42	8.4	ug/Kg	☼	02/03/20 18:06	02/04/20 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*108*		*31 - 143*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
2-Fluorobiphenyl	*92*		*43 - 145*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
2-Fluorophenol	*105*		*31 - 166*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
Nitrobenzene-d5	*101*		*37 - 147*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
Phenol-d5	*95*		*30 - 153*	*02/03/20 18:06*	*02/04/20 17:38*	*1*
Terphenyl-d14	*124*		*42 - 157*	*02/03/20 18:06*	*02/04/20 17:38*	*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		02/08/20 16:36	02/10/20 09:28	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		02/08/20 16:36	02/10/20 09:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:36	02/10/20 09:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:36	02/10/20 09:28	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Cobalt	**0.024**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Copper	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:36	02/10/20 09:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:36	02/10/20 09:28	1
Manganese	**9.0**		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:36	02/10/20 09:28	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:36	02/10/20 09:28	1
Zinc	**0.17**	**J B**	0.50	0.020	mg/L		02/08/20 16:36	02/10/20 09:28	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		02/08/20 16:30	02/10/20 09:16	1
Barium	**0.58**		0.50	0.050	mg/L		02/08/20 16:30	02/10/20 09:16	1
Beryllium	**0.0074**		0.0040	0.0040	mg/L		02/08/20 16:30	02/10/20 09:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:30	02/10/20 09:16	1
Chromium	**0.15**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Cobalt	**0.065**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Copper	**0.21**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Iron	**150**		0.40	0.20	mg/L		02/08/20 16:30	02/10/20 09:16	1
Lead	**0.11**		0.0075	0.0075	mg/L		02/08/20 16:30	02/10/20 09:16	1
Manganese	**1.4**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Nickel	**0.19**		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:30	02/10/20 09:16	1

Client Sample ID: HI-3(0-6)-012720

Date Collected: 01/27/20 14:20
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177004-4

Matrix: Solid
Percent Solids: 78.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:30	02/10/20 09:16	1
Zinc	**0.58**	**B**	0.50	0.020	mg/L		02/08/20 16:30	02/10/20 09:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.84**	**J**	1.2	0.24	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Arsenic	**7.7**		0.62	0.21	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Barium	**59**		0.62	0.071	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Beryllium	**1.0**		0.25	0.058	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Cadmium	**0.23**		0.12	0.022	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Calcium	**17000**	**B**	12	2.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Chromium	**22**		0.62	0.31	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Cobalt	**14**		0.31	0.082	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Copper	**23**		0.62	0.17	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Iron	**22000**		12	6.5	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Lead	**19**		0.31	0.14	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Magnesium	**12000**		6.2	3.1	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Manganese	**390**		0.62	0.090	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Nickel	**33**		0.62	0.18	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Potassium	**3000**		31	11	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Selenium	**0.62**		0.62	0.37	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Silver	**3.5**		0.31	0.080	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Sodium	**1400**		62	9.2	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Vanadium	**32**		0.31	0.073	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	1
Zinc	**76**		1.2	0.55	mg/Kg	☼	02/03/20 07:15	02/03/20 23:27	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		02/13/20 10:55	02/14/20 08:23	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		02/13/20 16:40	02/14/20 09:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		21	6.9	ug/Kg	☼	02/13/20 16:05	02/14/20 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**		0.2	0.2	SU			02/03/20 16:36	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177004-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
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
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-177004 COC

Report To (optional)		Bill To (optional)	
Contact:	Andris Siesen	Contact:	Same
Company:	Weston Solutions, Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Mandeleine, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Siesen@WestonSolutions.com	PO#/Reference#:	

Chain of Custody Record

Lab Job #: 500-177004

Chain of Custody Number:

Page ___ of ___

Temperature °C of Cooler: 4.3, 5.8, 5.2, 5.3

Client	Client Project #
Weston Solutions, Inc	02056.016.009
Project Name: IDOT Grayslake, IL	
Project Location/State: Grayslake, IL	Lab Project #:
Sampler: Max Denio	Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		WM-6(0-4)-012720	1/27/20	1350	5	S	X	X	X	X	X					
2		HI-1(0-4)-012720		1400	5											
3		HI-2(0-3)-012720		1410	5											
4		HI-3(0-6)-012720		1420	5											
5		VM-1(0-4)-012720		1435	5											
6		VM-2(0-4)-012720		1450	5											
7		VM-3(0-6)-012720		1500	5											
8		VM-4(0-4)-012720		1525	5											
9		VM-4(4-8)-012720		1535	5											
10		VM-5(0-4)-012720		1540	5											

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
[signature]	Weston Sol.	1/27/20	1730	[signature]	Weston	1/27/2020	1730
[signature]	Weston	1/28/2020	1100	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	Shin Scott	TA-CHI	1/28/20	1250

Lab Courier: [signature]
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/15/2020

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-221122-1
Client Project/Site: IDOT - Grayslake - WO 009C

For:
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Attn: Mr. Andris Slesers

Authorized for release by:
9/1/2022 1:49:19 PM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@et.eurofinsus.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: HI-3(6-12)-081822

Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19

Matrix: Solid
Percent Solids: 86.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1
Xylenes, Total	<0.0032		0.0032	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*	*08/19/22 17:50*	*08/26/22 15:07*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 126*	*08/19/22 17:50*	*08/26/22 15:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 134*	*08/19/22 17:50*	*08/26/22 15:07*	*1*
Toluene-d8 (Surr)	*103*		*75 - 124*	*08/19/22 17:50*	*08/26/22 15:07*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1

Client Sample ID: HI-3(6-12)-081822
Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19
Matrix: Solid
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Chlorophenol	<0.19	*+	0.19	0.065	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221122-1

Client Sample ID: HI-3(6-12)-081822
Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19
Matrix: Solid
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Phenanthrene	**0.0060**	**J**	0.038	0.0053	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	08/30/22 06:40	09/01/22 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*31 - 143*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
2-Fluorobiphenyl (Surr)	*73*		*43 - 145*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
2-Fluorophenol (Surr)	*103*		*31 - 166*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
Nitrobenzene-d5 (Surr)	*59*		*37 - 147*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
Phenol-d5 (Surr)	*71*		*30 - 153*	*08/30/22 06:40*	*09/01/22 02:03*	*1*
Terphenyl-d14 (Surr)	*91*		*42 - 157*	*08/30/22 06:40*	*09/01/22 02:03*	*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		08/26/22 16:35	08/29/22 19:28	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		08/26/22 16:35	08/29/22 19:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/26/22 16:35	08/29/22 19:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:35	08/29/22 19:28	1
Chromium	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Cobalt	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Copper	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Iron	**0.24**	**J**	0.40	0.20	mg/L		08/26/22 16:35	08/29/22 19:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/26/22 16:35	08/29/22 19:28	1
Manganese	**0.93**		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Nickel	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:35	08/29/22 19:28	1
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:35	08/29/22 19:28	1
Zinc	<0.50	*+ ^+	0.50	0.020	mg/L		08/26/22 16:35	08/29/22 19:28	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.073**		0.050	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Barium	**0.50**		0.50	0.050	mg/L		08/26/22 16:40	08/29/22 18:25	1
Beryllium	**0.0083**		0.0040	0.0040	mg/L		08/26/22 16:40	08/29/22 18:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/26/22 16:40	08/29/22 18:25	1
Chromium	**0.16**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Cobalt	**0.058**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Copper	**0.26**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Iron	**190**		0.40	0.20	mg/L		08/26/22 16:40	08/29/22 18:25	1
Lead	**0.091**		0.0075	0.0075	mg/L		08/26/22 16:40	08/29/22 18:25	1
Manganese	**0.90**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Nickel	**0.23**		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Selenium	<0.050		0.050	0.020	mg/L		08/26/22 16:40	08/29/22 18:25	1

Client Sample ID: HI-3(6-12)-081822

Date Collected: 08/18/22 13:50
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221122-19

Matrix: Solid
Percent Solids: 86.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/26/22 16:40	08/29/22 18:25	1
Zinc	**0.46**	**J**	0.50	0.020	mg/L		08/26/22 16:40	08/30/22 12:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9100**		11	4.7	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Antimony	**0.31**	**J**	1.1	0.22	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Arsenic	**6.4**		0.57	0.20	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Barium	**36**		0.57	0.065	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Beryllium	**0.68**		0.23	0.053	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Cadmium	<0.11		0.11	0.021	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Calcium	**76000**	**B**	57	9.7	mg/Kg	☼	08/25/22 15:32	08/29/22 11:28	5
Chromium	**15**		0.57	0.28	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Cobalt	**11**		0.29	0.075	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Copper	**24**		0.57	0.16	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Iron	**18000**		11	5.9	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Lead	**13**		0.29	0.13	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Magnesium	**30000**	**B**	5.7	2.8	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Manganese	**380**		0.57	0.083	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Nickel	**28**		0.57	0.17	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Potassium	**1700**		29	10	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Silver	**0.23**	**J**	0.29	0.074	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Sodium	**270**		57	8.4	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Vanadium	**18**		0.29	0.067	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1
Zinc	**51**		1.1	0.50	mg/Kg	☼	08/25/22 15:32	08/26/22 20:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 10:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/26/22 13:25	08/29/22 12:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**		0.018	0.0060	mg/Kg	☼	08/25/22 14:50	08/26/22 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			08/24/22 17:23	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-221122-1
Project/Site: IDOT - Grayslake - WO 009C

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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 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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Chain of Custody Record

520894

eurofins

Environment Testing
TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sievers	Site Contact	Date	COC No
Company Name	Tel/Email	Lab Contact	Carrier	1 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler
City/State Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grays Lake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

500-221122 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOC	SVOC	Total Metals	TCLP Metals	SPLP Metals	pH	Sample Specific Notes
1	AL44-2(3-5)-081822	8/18/22	955	G	S	5			X	X	X	X	X	X	
2	AL44-2(5-10)-081822	↓	1025	↓	↓	↓			↓	↓	↓	↓	↓	↓	
3	AL44-2(10-15)-081822		1035												
4	AL44-3(2-5)-081822		1050												
5	AL44-3(5-10)-081822		1055												
6	AL44-3(5-10)-081822D		1100												
7	AL44-3(10-15)-081822		1105												
8	AL44-4(7-11)-081822		1115												
9	AL44-4(11-15)-081822		1120												
10	AL44-5(7-11)-081822		1130												
11	AL44-5(11-15)-081822		1135												
12	AL44-6(2-5)-081822	↓	1205	↓	↓	↓			↓	↓	↓	↓	↓	↓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

3.2+1.2, 95+25

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd _____ Corr'd _____	Therm ID No _____

	Relinquished by	Company	Date/Time	Received by	Company	Date/Time
1		Weston Solutions	8.19.22 943		EETA	8/19/22 0945
2		EETA	8/19/22 1105			
3				Received in Laboratory by: Stephanie Hernandez	EETA	8/19/22 1105

Chain of Custody Record

542C14

eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andrea Sleger	Site Contact	Date	COC No
Company Name	Tel/Email.	Lab Contact	Carrier	2 of 2 COCs
Address: Weston Solutions	Analysis Turnaround Time			Sampler:
City/State/Zip: Lincolnshire, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Grayslake	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-221122
P O #	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	SVOC	Total metals	TCLP metals	SPLP metals	pH	Sample Specific Notes
3	AL44-6 (5-10) -081822	8-18-22	~~1240~~ 1210	G	S	5			X	X	X	X	X	X	
4	AL44-6 (10-15) -081822		1215												
5	AL44-7 (2-8) -081822		1240												
6	SQ-1 (5-8) -081822		1310												
7	MI-2 (3-8) -081822		1330												
8	MI-2 (3-8) -081822D		1325												
9	MI-3 (6-12) -081822		1350												
	VM-2 (4-8) -081822		1410												
	VM-2 (8-13) -081822		1415												
	VM-3 (6-13) -081822		1430												

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company: Weston Solutions	Date/Time: 8-19-22 0943	Received by	Company: EEA	Date/Time: 08/19/22 0943
Relinquished by	Company: EEA	Date/Time: 8/19/22 1105	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: Stephanie Hernandez	Company: EEA	Date/Time: 8/19/22 1105

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Waste Management Landfill - 31725 N. IL 83 (ISGS Site No. 3079V2-63)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.32564 Longitude: - 88.02889
(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): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 698

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: FAP 866 - IL 83 at IL 137 Latitude: 42.32564 Longitude: - 88.02889

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 WM-1 THROUGH WM-3 WERE SAMPLED ALONG THE WASTE MANAGEMENT LANDFILL ROW. SEE FIGURE 3-6, AND TABLE 4-1 OF THE 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 REPORTS - JOB IDs: 500-177001-1 AND 500-221127-1. ALSO SEE FIGURE 4-6 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Waste Management Landfill (ISGS Site No. 3079V-63)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	WM-1	WM-2	WM-3
Sample Date		1/27/2020	1/27/2020	1/27/2020
Field Sample ID		WM-1(0-2)-012720	WM-2(0-2)-012720	WM-3(0-4)-012720
ISGS Site No.		3079V-63	3079V-63	3079V-63
Laboratory pH	<6.25, >9.0	7.7	7.5	8.2
VOCs				
SVOCs (mg/kg)				
2,4,5-Trichlorophenol	26	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND
Acenaphthene	570	ND	ND	ND
Acenaphthylene	---	ND	ND	ND
Anthracene	12000	ND	0.02 J	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.038 J	0.1	0.011 J
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.063	0.13	0.016 J
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.064	0.06	0.021 J
Benzo(g,h,i)perylene	---	0.033 J	0.078	ND
Benzo(k)fluoranthene	9	ND	0.054	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND
Butyl benzyl phthalate	930	ND	ND	ND
Carbazole	0.6	ND	ND	ND
Chrysene	88	0.05	0.12	0.015 J
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	ND	0.02 J	ND
Dibenzofuran	---	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND
Fluoranthene	3100	0.065	0.23	0.047
Fluorene	560	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.026 J	0.073	ND
Naphthalene	1.8	ND	ND	ND
Pentachlorophenol	0.03	ND	ND	ND
Phenanthrene	---	0.032 J	0.071	ND
Pyrene	2300	0.077	0.18	0.015 J
Pesticides (mg/kg)				
4,4-DDD	3	---	---	---
4,4-DDE	2	---	---	---
Dieldrin	0.603	---	---	---
PCBs (mg/kg)				
Aroclor-1248	1	0.11 J	0.19 J	0.084 J
Total Inorganics (mg/kg)				
Aluminum, Total	---	ND	ND	ND
Antimony, Total	5	0.3 J	0.57 J	0.54 J
Arsenic, Total	11.3 / 13.0	4.4	5.9	9.3
Barium, Total	1500	65	89	45
Beryllium, Total	22	0.78	1	0.92
Cadmium, Total	5.2	0.4 J	0.4 J	0.2 J
Calcium, Total	---	22000 B	19000 B	31000 B
Chromium, Total	21	18	28	17
Cobalt, Total	20	8.9	12	15
Copper, Total	2900	29	31	33
Cyanide, Total	0.2	---	---	---
Iron, Total	15000 / 15900	13000	18000	19000
Lead, Total	107	40	34	19
Magnesium, Total	325000	15000	14000	23000
Manganese, Total	630 / 636	340	380	400
Mercury, Total	0.89	0.03	0.053	0.03
Nickel, Total	100	22	34	36
Potassium, Total	---	2900	4000	3300
Selenium, Total	1.3	ND	0.38 J	ND
Silver, Total	4.4	2.9	4.1	4
Sodium, Total	---	320	370	480
Thallium, Total	2.6	ND	ND	ND
Vanadium, Total	550	22	29	27
Zinc, Total	5100	100	100	64

Summary Table of Waste Management Landfill (ISGS Site No. 3079V-63)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	WM-1	WM-2	WM-3
Sample Date		1/27/2020	1/27/2020	1/27/2020
Field Sample ID		WM-1(0-2)-012720	WM-2(0-2)-012720	WM-3(0-4)-012720
ISGS Site No.		3079V-63	3079V-63	3079V-63
TCLP Metals (mg/l)				
Arsenic, TCLP	0.05	ND	ND	ND
Barium, TCLP	2	0.32 J	0.25 J	0.38 J
Beryllium, TCLP	0.004	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND
Cobalt, TCLP	1	ND	ND	ND
Copper, TCLP	0.65	0.01 J	0.01 J	0.012 J
Iron, TCLP	5	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND
Manganese, TCLP	0.15	0.31	0.11	0.069
Mercury, TCLP	0.002	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	ND
Selenium, TCLP	0.05	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND
Zinc, TCLP	5	0.19 J	0.18 J	0.14 J
SPLP Metals (mg/l)				
Arsenic, SPLP	0.05	0.014 J	ND	0.055
Barium, SPLP	2	0.57	0.58	0.41 J
Beryllium, SPLP	0.004	0.0061	0.0054	0.0059
Cadmium, SPLP	0.005	ND	ND	ND
Chromium, SPLP	0.1	0.17	0.15	0.14
Cobalt, SPLP	1	0.038	0.035	0.04
Copper, SPLP	0.65	0.098	0.11	0.2
Iron, SPLP	5	120	100	160
Lead, SPLP	0.0075	0.047	0.061	0.066
Manganese, SPLP	0.15	0.52	0.39	0.63
Mercury, SPLP	0.002	ND	ND	ND
Nickel, SPLP	0.1	0.12	0.12	0.16
Selenium, SPLP	0.05	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND
Thallium, SPLP	0.002	ND	ND	ND
Zinc, SPLP	5	0.35 J	0.37 J	0.35 J

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

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ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-177001-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Authorized for release by:
2/17/2020 2:12:57 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: WM-3(0-4)-012720

Date Collected: 01/27/20 12:30
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-15

Matrix: Solid
Percent Solids: 82.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Acetone	**9.1**	**J**	16	7.1	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Benzene	<1.6		1.6	0.42	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Bromoform	<1.6		1.6	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Carbon disulfide	<4.1		4.1	0.85	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Chloroethane	<4.1		4.1	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Chloroform	<1.6		1.6	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
cis-1,2-Dichloroethene	<1.6		1.6	0.46	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Tetrachloroethene	<1.6		1.6	0.56	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1
Xylenes, Total	<3.3		3.3	0.52	ug/Kg	☼	01/28/20 17:20	02/05/20 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*	*01/28/20 17:20*	*02/05/20 17:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/28/20 17:20*	*02/05/20 17:59*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*01/28/20 17:20*	*02/05/20 17:59*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/28/20 17:20*	*02/05/20 17:59*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1

Client Sample ID: WM-3(0-4)-012720
Lab Sample ID: 500-177001-15
Date Collected: 01/27/20 12:30
Matrix: Solid
Date Received: 01/28/20 12:50
Percent Solids: 82.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2-Methylphenol	<200		200	64	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Anthracene	<40		40	6.7	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Benzo[a]anthracene	**11**	**J**	40	5.4	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Benzo[a]pyrene	**16**	**J**	40	7.8	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Benzo[b]fluoranthene	**21**	**J**	40	8.7	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Carbazole	<200		200	100	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Chrysene	**15**	**J**	40	11	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Dibenzofuran	<200		200	47	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Fluoranthene	**47**		40	7.5	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Fluorene	<40		40	5.6	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Hexachloroethane	<200		200	61	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1

Client Sample ID: WM-3(0-4)-012720

Date Collected: 01/27/20 12:30
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-15

Matrix: Solid
Percent Solids: 82.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Isophorone	<200		200	45	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Naphthalene	<40		40	6.2	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Nitrobenzene	<40		40	10	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Phenol	<200		200	89	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1
Pyrene	**15**	**J**	40	8.0	ug/Kg	☼	02/05/20 07:34	02/06/20 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*104*		*31 - 143*	*02/05/20 07:34*	*02/06/20 00:19*	*1*
2-Fluorobiphenyl	*90*		*43 - 145*	*02/05/20 07:34*	*02/06/20 00:19*	*1*
2-Fluorophenol	*90*		*31 - 166*	*02/05/20 07:34*	*02/06/20 00:19*	*1*
Nitrobenzene-d5	*86*		*37 - 147*	*02/05/20 07:34*	*02/06/20 00:19*	*1*
Phenol-d5	*67*		*30 - 153*	*02/05/20 07:34*	*02/06/20 00:19*	*1*
Terphenyl-d14	*130*		*42 - 157*	*02/05/20 07:34*	*02/06/20 00:19*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:33	02/10/20 12:17	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 12:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 12:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 12:17	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:17	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:24	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:17	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 12:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 12:17	1
Manganese	**0.069**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:17	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:24	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 12:17	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:17	1
Zinc	**0.14**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 12:17	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.055**		0.050	0.010	mg/L		02/07/20 14:27	02/10/20 10:08	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		02/07/20 14:27	02/10/20 10:08	1
Beryllium	**0.0059**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 10:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 10:08	1
Chromium	**0.14**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:08	1
Cobalt	**0.040**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:08	1
Copper	**0.20**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:08	1
Iron	**160**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 10:08	1
Lead	**0.066**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 10:08	1
Manganese	**0.63**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:08	1
Nickel	**0.16**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:08	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 10:08	1

Client Sample ID: WM-3(0-4)-012720

Date Collected: 01/27/20 12:30
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-15

Matrix: Solid
Percent Solids: 82.6

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:08	1
Zinc	**0.35**	**J**	0.50	0.020	mg/L		02/07/20 14:27	02/10/20 10:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.54**	**J**	1.2	0.22	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Arsenic	**9.3**		0.58	0.20	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Barium	**45**		0.58	0.066	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Beryllium	**0.92**		0.23	0.054	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Cadmium	**0.20**	**B**	0.12	0.021	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Calcium	**31000**	**B**	12	2.0	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Chromium	**17**		0.58	0.29	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Cobalt	**15**		0.29	0.076	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Copper	**33**		0.58	0.16	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Iron	**19000**		12	6.0	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Lead	**19**		0.29	0.13	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Magnesium	**23000**		5.8	2.9	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Manganese	**400**		0.58	0.084	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Nickel	**36**		0.58	0.17	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Potassium	**3300**		29	10	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Silver	**4.0**		0.29	0.074	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Sodium	**480**		58	8.5	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Vanadium	**27**		0.29	0.068	mg/Kg	☼	01/31/20 06:53	02/01/20 04:30	1
Zinc	**64**		1.2	0.51	mg/Kg	☼	01/31/20 06:53	02/04/20 04:23	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		02/13/20 16:40	02/15/20 13:31	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		02/13/20 16:40	02/17/20 11:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		20	6.6	ug/Kg	☼	02/14/20 15:25	02/15/20 11:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			02/03/20 16:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-177001-1

Client Sample ID: WM-1(0-2)-012720
Date Collected: 01/27/20 12:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-16
Matrix: Solid
Percent Solids: 75.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.5		2.5	0.83	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
1,1,2,2-Tetrachloroethane	<2.5		2.5	0.79	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
1,1,2-Trichloroethane	<2.5		2.5	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
1,1-Dichloroethane	<2.5		2.5	0.85	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
1,1-Dichloroethene	<2.5		2.5	0.86	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
1,2-Dichloroethane	<6.2		6.2	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
1,2-Dichloropropane	<2.5		2.5	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
1,3-Dichloropropene, Total	<2.5		2.5	0.87	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
2-Hexanone	<6.2		6.2	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Acetone	<25		25	11	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Benzene	<2.5		2.5	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Bromodichloromethane	<2.5		2.5	0.51	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Bromoform	<2.5		2.5	0.73	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Bromomethane	<6.2		6.2	2.3	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Carbon disulfide	<6.2		6.2	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Carbon tetrachloride	<2.5		2.5	0.72	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Chlorobenzene	<2.5		2.5	0.92	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Chloroethane	<6.2		6.2	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Chloroform	<2.5		2.5	0.86	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Chloromethane	<6.2		6.2	2.5	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
cis-1,2-Dichloroethene	<2.5		2.5	0.69	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
cis-1,3-Dichloropropene	<2.5		2.5	0.75	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Dibromochloromethane	<2.5		2.5	0.81	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Ethylbenzene	<2.5		2.5	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Methyl Ethyl Ketone	<6.2		6.2	2.8	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
methyl isobutyl ketone	<6.2		6.2	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Methyl tert-butyl ether	<2.5		2.5	0.73	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Methylene Chloride	<6.2		6.2	2.4	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Styrene	<2.5		2.5	0.75	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Tetrachloroethene	<2.5		2.5	0.85	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Toluene	<2.5		2.5	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
trans-1,2-Dichloroethene	<2.5		2.5	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
trans-1,3-Dichloropropene	<2.5		2.5	0.87	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Trichloroethene	<2.5		2.5	0.84	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Vinyl chloride	<2.5		2.5	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1
Xylenes, Total	<5.0		5.0	0.80	ug/Kg	☼	01/28/20 17:20	02/05/20 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*	*01/28/20 17:20*	*02/05/20 18:25*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/28/20 17:20*	*02/05/20 18:25*	*1*
Dibromofluoromethane	*104*		*75 - 126*	*01/28/20 17:20*	*02/05/20 18:25*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/28/20 17:20*	*02/05/20 18:25*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<220		220	47	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
1,2-Dichlorobenzene	<220		220	52	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
1,3-Dichlorobenzene	<220		220	49	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
1,4-Dichlorobenzene	<220		220	55	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2,2'-oxybis[1-chloropropane]	<220		220	50	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1

Client Sample ID: WM-1(0-2)-012720
Date Collected: 01/27/20 12:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-16
Matrix: Solid
Percent Solids: 75.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<430		430	99	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2,4,6-Trichlorophenol	<430		430	150	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2,4-Dichlorophenol	<430		430	100	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2,4-Dimethylphenol	<430		430	160	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2,4-Dinitrophenol	<870		870	760	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2,4-Dinitrotoluene	<220		220	69	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2,6-Dinitrotoluene	<220		220	85	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2-Chloronaphthalene	<220		220	48	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2-Chlorophenol	<220		220	74	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2-Methylnaphthalene	<87		87	8.0	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2-Methylphenol	<220		220	69	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2-Nitroaniline	<220		220	58	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
2-Nitrophenol	<430		430	100	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
3 & 4 Methylphenol	<220		220	72	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
3,3'-Dichlorobenzidine	<220		220	61	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
3-Nitroaniline	<430		430	130	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
4,6-Dinitro-2-methylphenol	<870		870	350	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
4-Bromophenyl phenyl ether	<220		220	57	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
4-Chloro-3-methylphenol	<430		430	150	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
4-Chloroaniline	<870		870	200	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
4-Chlorophenyl phenyl ether	<220		220	51	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
4-Nitroaniline	<430		430	180	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
4-Nitrophenol	<870		870	410	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Acenaphthene	<43		43	7.8	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Acenaphthylene	<43		43	5.7	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Anthracene	<43		43	7.2	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Benzo[a]anthracene	**38**	**J**	43	5.8	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Benzo[a]pyrene	**63**		43	8.4	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Benzo[b]fluoranthene	**64**		43	9.3	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Benzo[g,h,i]perylene	**33**	**J**	43	14	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Benzo[k]fluoranthene	<43		43	13	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Bis(2-chloroethoxy)methane	<220		220	44	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Bis(2-chloroethyl)ether	<220		220	65	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Bis(2-ethylhexyl) phthalate	<220		220	79	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Butyl benzyl phthalate	<220		220	82	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Carbazole	<220		220	110	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Chrysene	**50**		43	12	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Dibenz(a,h)anthracene	<43		43	8.4	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Dibenzofuran	<220		220	51	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Diethyl phthalate	<220		220	73	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Dimethyl phthalate	<220		220	56	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Di-n-butyl phthalate	<220		220	66	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Di-n-octyl phthalate	<220		220	71	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Fluoranthene	**65**		43	8.0	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Fluorene	<43		43	6.1	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Hexachlorobenzene	<87		87	10	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Hexachlorobutadiene	<220		220	68	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Hexachlorocyclopentadiene	<870		870	250	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Hexachloroethane	<220		220	66	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1

Client Sample ID: WM-1(0-2)-012720

Date Collected: 01/27/20 12:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-16

Matrix: Solid
Percent Solids: 75.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**26**	**J**	43	11	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Isophorone	<220		220	49	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Naphthalene	<43		43	6.7	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Nitrobenzene	<43		43	11	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
N-Nitrosodi-n-propylamine	<87		87	53	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
N-Nitrosodiphenylamine	<220		220	51	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Pentachlorophenol	<870		870	690	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Phenanthrene	**32**	**J**	43	6.0	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Phenol	<220		220	96	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1
Pyrene	**77**		43	8.6	ug/Kg	☼	02/05/20 07:34	02/05/20 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*31 - 143*	*02/05/20 07:34*	*02/05/20 22:44*	*1*
2-Fluorobiphenyl	*90*		*43 - 145*	*02/05/20 07:34*	*02/05/20 22:44*	*1*
2-Fluorophenol	*110*		*31 - 166*	*02/05/20 07:34*	*02/05/20 22:44*	*1*
Nitrobenzene-d5	*77*		*37 - 147*	*02/05/20 07:34*	*02/05/20 22:44*	*1*
Phenol-d5	*95*		*30 - 153*	*02/05/20 07:34*	*02/05/20 22:44*	*1*
Terphenyl-d14	*145*		*42 - 157*	*02/05/20 07:34*	*02/05/20 22:44*	*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		02/08/20 16:33	02/10/20 12:21	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 12:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 12:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 12:21	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:21	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:29	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:21	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 12:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 12:21	1
Manganese	**0.31**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:21	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:29	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 12:21	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:21	1
Zinc	**0.19**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 12:21	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		02/07/20 14:27	02/10/20 10:13	1
Barium	**0.57**		0.50	0.050	mg/L		02/07/20 14:27	02/10/20 10:13	1
Beryllium	**0.0061**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 10:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 10:13	1
Chromium	**0.17**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:13	1
Cobalt	**0.038**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:13	1
Copper	**0.098**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:13	1
Iron	**120**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 10:13	1
Lead	**0.047**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 10:13	1
Manganese	**0.52**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:13	1
Nickel	**0.12**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:13	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 10:13	1

Client Sample ID: WM-1(0-2)-012720

Date Collected: 01/27/20 12:40
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-16

Matrix: Solid
Percent Solids: 75.7

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:13	1
Zinc	**0.35**	**J**	0.50	0.020	mg/L		02/07/20 14:27	02/10/20 10:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.30**	**J**	1.2	0.24	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Arsenic	**4.4**		0.62	0.21	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Barium	**65**		0.62	0.071	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Beryllium	**0.78**		0.25	0.058	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Cadmium	**0.40**	**B**	0.12	0.022	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Calcium	**22000**	**B**	12	2.1	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Chromium	**18**		0.62	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Cobalt	**8.9**		0.31	0.081	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Copper	**29**		0.62	0.17	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Iron	**13000**		12	6.5	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Lead	**40**		0.31	0.14	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Magnesium	**15000**		6.2	3.1	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Manganese	**340**		0.62	0.090	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Nickel	**22**		0.62	0.18	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Potassium	**2900**		31	11	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Selenium	<0.62		0.62	0.36	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Silver	**2.9**		0.31	0.080	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Sodium	**320**		62	9.2	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Vanadium	**22**		0.31	0.073	mg/Kg	☼	01/31/20 06:53	02/01/20 04:34	1
Zinc	**100**		1.2	0.54	mg/Kg	☼	01/31/20 06:53	02/04/20 04:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/13/20 16:40	02/15/20 13:33	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		02/13/20 16:40	02/17/20 11:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		21	6.9	ug/Kg	☼	02/14/20 15:25	02/15/20 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			02/03/20 16:05	1

Client Sample ID: WM-2(0-2)-012720
Lab Sample ID: 500-177001-17
Date Collected: 01/27/20 12:55
Matrix: Solid
Date Received: 01/28/20 12:50
Percent Solids: 71.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.5		2.5	0.83	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,1,2,2-Tetrachloroethane	<2.5		2.5	0.79	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,1,2-Trichloroethane	<2.5		2.5	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,1-Dichloroethane	<2.5		2.5	0.85	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,1-Dichloroethene	<2.5		2.5	0.85	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,2-Dichloroethane	<6.2		6.2	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,2-Dichloropropane	<2.5		2.5	0.64	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
1,3-Dichloropropene, Total	<2.5		2.5	0.87	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
2-Hexanone	<6.2		6.2	1.9	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Acetone	<25		25	11	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Benzene	<2.5		2.5	0.63	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Bromodichloromethane	<2.5		2.5	0.50	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Bromoform	<2.5		2.5	0.72	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Bromomethane	<6.2		6.2	2.3	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Carbon disulfide	<6.2		6.2	1.3	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Carbon tetrachloride	<2.5		2.5	0.72	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Chlorobenzene	<2.5		2.5	0.91	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Chloroethane	<6.2		6.2	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Chloroform	<2.5		2.5	0.86	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Chloromethane	<6.2		6.2	2.5	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
cis-1,2-Dichloroethene	<2.5		2.5	0.69	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
cis-1,3-Dichloropropene	<2.5		2.5	0.74	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Dibromochloromethane	<2.5		2.5	0.81	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Ethylbenzene	<2.5		2.5	1.2	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Methyl Ethyl Ketone	<6.2		6.2	2.7	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
methyl isobutyl ketone	<6.2		6.2	1.8	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Methyl tert-butyl ether	<2.5		2.5	0.72	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Methylene Chloride	<6.2		6.2	2.4	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Styrene	<2.5		2.5	0.75	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Tetrachloroethene	<2.5		2.5	0.84	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Toluene	<2.5		2.5	0.62	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
trans-1,2-Dichloroethene	<2.5		2.5	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
trans-1,3-Dichloropropene	<2.5		2.5	0.87	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Trichloroethene	<2.5		2.5	0.83	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Vinyl chloride	<2.5		2.5	1.1	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1
Xylenes, Total	<4.9		4.9	0.79	ug/Kg	☼	01/28/20 17:20	02/05/20 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*	*01/28/20 17:20*	*02/05/20 18:51*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 131*	*01/28/20 17:20*	*02/05/20 18:51*	*1*
Dibromofluoromethane	*105*		*75 - 126*	*01/28/20 17:20*	*02/05/20 18:51*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/28/20 17:20*	*02/05/20 18:51*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<230		230	50	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
1,2-Dichlorobenzene	<230		230	55	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
1,3-Dichlorobenzene	<230		230	52	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
1,4-Dichlorobenzene	<230		230	59	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2,2'-oxybis[1-chloropropane]	<230		230	53	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1

Client Sample ID: WM-2(0-2)-012720
Date Collected: 01/27/20 12:55
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-17
Matrix: Solid
Percent Solids: 71.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<460		460	100	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2,4,6-Trichlorophenol	<460		460	160	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2,4-Dichlorophenol	<460		460	110	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2,4-Dimethylphenol	<460		460	170	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2,4-Dinitrophenol	<930		930	810	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2,4-Dinitrotoluene	<230		230	73	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2,6-Dinitrotoluene	<230		230	90	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2-Chloronaphthalene	<230		230	51	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2-Chlorophenol	<230		230	78	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2-Methylnaphthalene	<93		93	8.5	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2-Methylphenol	<230		230	74	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2-Nitroaniline	<230		230	62	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
2-Nitrophenol	<460		460	110	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
3 & 4 Methylphenol	<230		230	77	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
3,3'-Dichlorobenzidine	<230		230	64	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
3-Nitroaniline	<460		460	140	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
4,6-Dinitro-2-methylphenol	<930		930	370	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
4-Bromophenyl phenyl ether	<230		230	61	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
4-Chloro-3-methylphenol	<460		460	160	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
4-Chloroaniline	<930		930	220	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
4-Chlorophenyl phenyl ether	<230		230	54	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
4-Nitroaniline	<460		460	190	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
4-Nitrophenol	<930		930	440	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Acenaphthene	<46		46	8.3	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Acenaphthylene	<46		46	6.1	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Anthracene	**20**	**J**	46	7.7	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Benzo[a]anthracene	**100**		46	6.2	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Benzo[a]pyrene	**130**		46	8.9	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Benzo[b]fluoranthene	**60**		46	9.9	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Benzo[g,h,i]perylene	**78**		46	15	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Benzo[k]fluoranthene	**54**		46	14	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Bis(2-chloroethoxy)methane	<230		230	47	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Bis(2-chloroethyl)ether	<230		230	69	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Bis(2-ethylhexyl) phthalate	<230		230	84	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Butyl benzyl phthalate	<230		230	87	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Carbazole	<230		230	110	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Chrysene	**120**		46	13	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Dibenz(a,h)anthracene	**20**	**J**	46	8.9	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Dibenzofuran	<230		230	54	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Diethyl phthalate	<230		230	78	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Dimethyl phthalate	<230		230	60	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Di-n-butyl phthalate	<230		230	70	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Di-n-octyl phthalate	<230		230	75	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Fluoranthene	**230**		46	8.5	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Fluorene	<46		46	6.5	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Hexachlorobenzene	<93		93	11	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Hexachlorobutadiene	<230		230	72	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Hexachlorocyclopentadiene	<930		930	260	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Hexachloroethane	<230		230	70	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1

Client Sample ID: WM-2(0-2)-012720

Date Collected: 01/27/20 12:55
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-17

Matrix: Solid
Percent Solids: 71.9

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	**73**		46	12	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Isophorone	<230		230	52	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Naphthalene	<46		46	7.1	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Nitrobenzene	<46		46	11	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
N-Nitrosodi-n-propylamine	<93		93	56	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
N-Nitrosodiphenylamine	<230		230	54	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Pentachlorophenol	<930		930	740	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Phenanthrene	**71**		46	6.4	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Phenol	<230		230	100	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1
Pyrene	**180**		46	9.1	ug/Kg	☼	02/05/20 07:34	02/05/20 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*31 - 143*	*02/05/20 07:34*	*02/05/20 23:14*	*1*
2-Fluorobiphenyl	*87*		*43 - 145*	*02/05/20 07:34*	*02/05/20 23:14*	*1*
2-Fluorophenol	*114*		*31 - 166*	*02/05/20 07:34*	*02/05/20 23:14*	*1*
Nitrobenzene-d5	*76*		*37 - 147*	*02/05/20 07:34*	*02/05/20 23:14*	*1*
Phenol-d5	*103*		*30 - 153*	*02/05/20 07:34*	*02/05/20 23:14*	*1*
Terphenyl-d14	*126*		*42 - 157*	*02/05/20 07:34*	*02/05/20 23:14*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/20 16:33	02/10/20 12:25	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		02/08/20 16:33	02/10/20 12:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/20 16:33	02/10/20 12:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/20 16:33	02/10/20 12:25	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:25	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:33	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:25	1
Iron	<0.40		0.40	0.20	mg/L		02/08/20 16:33	02/10/20 12:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/20 16:33	02/10/20 12:25	1
Manganese	**0.11**		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:25	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 15:33	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/20 16:33	02/10/20 12:25	1
Silver	<0.025		0.025	0.010	mg/L		02/08/20 16:33	02/10/20 12:25	1
Zinc	**0.18**	**J B**	0.50	0.020	mg/L		02/08/20 16:33	02/10/20 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		02/07/20 14:27	02/10/20 10:17	1
Barium	**0.58**		0.50	0.050	mg/L		02/07/20 14:27	02/10/20 10:17	1
Beryllium	**0.0054**		0.0040	0.0040	mg/L		02/07/20 14:27	02/10/20 10:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/07/20 14:27	02/10/20 10:17	1
Chromium	**0.15**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:17	1
Cobalt	**0.035**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:17	1
Copper	**0.11**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:17	1
Iron	**100**		0.40	0.20	mg/L		02/07/20 14:27	02/10/20 10:17	1
Lead	**0.061**		0.0075	0.0075	mg/L		02/07/20 14:27	02/10/20 10:17	1
Manganese	**0.39**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:17	1
Nickel	**0.12**		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:17	1
Selenium	<0.050		0.050	0.020	mg/L		02/07/20 14:27	02/10/20 10:17	1

Client Sample ID: WM-2(0-2)-012720
Date Collected: 01/27/20 12:55
Date Received: 01/28/20 12:50

Lab Sample ID: 500-177001-17
Matrix: Solid
Percent Solids: 71.9

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/07/20 14:27	02/10/20 10:17	1
Zinc	**0.37**	**J**	0.50	0.020	mg/L		02/07/20 14:27	02/10/20 10:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.57**	**J**	1.3	0.25	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Arsenic	**5.9**		0.64	0.22	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Barium	**89**		0.64	0.073	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Beryllium	**1.0**		0.26	0.060	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Cadmium	**0.40**	**B**	0.13	0.023	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Calcium	**19000**	**B**	13	2.2	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Chromium	**28**		0.64	0.32	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Cobalt	**12**		0.32	0.084	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Copper	**31**		0.64	0.18	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Iron	**18000**		13	6.7	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Lead	**34**		0.32	0.15	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Magnesium	**14000**		6.4	3.2	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Manganese	**380**		0.64	0.093	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Nickel	**34**		0.64	0.19	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Potassium	**4000**		32	11	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Selenium	**0.38**	**J**	0.64	0.38	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Silver	**4.1**		0.32	0.083	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Sodium	**370**		64	9.5	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Thallium	<0.64		0.64	0.32	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Vanadium	**29**		0.32	0.076	mg/Kg	☼	01/31/20 06:53	02/01/20 04:39	1
Zinc	**100**		1.3	0.57	mg/Kg	☼	01/31/20 06:53	02/04/20 04:32	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		02/13/20 16:40	02/15/20 13:35	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		02/13/20 16:40	02/17/20 11:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**53**		22	7.4	ug/Kg	☼	02/14/20 15:25	02/15/20 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.5**		0.2	0.2	SU			02/03/20 16:08	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-177001-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-177001 COC

Chain of Custody Record

Lab Job #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 4.3, 5.8, 5.2, 5

Report To (optional)		Bill To (optional)	
Contact:	Andris Siesers	Contact:	Same
Company:	Weston Solutions, Inc.	Company:	
Address:	300 Plaza Circle, Ste. 202	Address:	
Address:	Naperville, IL 60060	Address:	
Phone:	224-864-7201	Phone:	
Fax:		Fax:	
E-Mail:	Andris.Siesers@WestonSolutions.com	PO#/Reference#:	

Client	Client Project #
Weston Solutions, Inc.	
Project Name	
IDOT Grayslake, IL	
Project Location/State	**Lab Project #**
Grayslake, IL	02056.016.009
Sampler	**Lab PM**
Alex Deno	Edwards Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	BH					Comments
1		LM-1(0-2)-012720	1/27/20	0841	6	S		x	x	x	x	x					
2		CB51-1(0-3)-012720		0850	6												
3		F54-1(0-2)-012720		0900	6												
4		F54-2(0-6)-012720		0910	6												
5		F54-2(0-6)-012720D		0910	6												
6		R56-1(0-4)-012720		0940	6												
7		R56-2(0-5)-012720		0950	6												
8		A1-1(0-4)-012720		1005	6												
9		A1-2(0-4)-012720		1020	6												
10		VL60-3(0-2)-012720		1045	6												

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
	Westonsol.	1/27/20	1730		Weston	1/27/2020	1730
	Weston	1/28/2020	1115		TA	1/28/20	1115
	TA	1/28/20	1250		TA-CAL	1/28/20	1250

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments

Lab Comments:

TAL-4124-500(1209)

2/17/2020

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 #: 500-177001

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: Andris Siesens	Contact: Same
Company: Weston Solutions, Inc.	Company:
Address: 300 Pierce Circle. Ste 202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7201	Phone:
Fax: —	Fax:
E-Mail: Andris.Siesens@WestonSolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions, Inc.	02056.016.009
Project Name: IDOT Grayslake	
Project Location/State: Grayslake, IL	Lab Project #
Sampler: Alex Demo	Lab PM: Richard Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
11		VL60-4(0-5)-012720	1/27/20	1100	6	S	x	x	x	x	x					
12		VL60-4(0-5)-012720D		1100	6											
13		VL60-5(0-3)-012720		1115	6											
14		VL60-6(0-2)-012720		1125	6											
15		WM-3(0-4)-012720		1230	6											
16		WM-1(0-2)-012720		1240	6											
17		WM-2(0-2)-012720		1255	6											
18		WM-4(0-4)-012720		1300	5											
19		WM-4(0-4)-012720D		1300	5											
20		WM-5(0-4)-012720		1335	5											

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston Sol.	1/27/20	1730	[signature]	Weston	1/27/2020	1730
[signature]	Weston	1/28/2020	1135	[signature]	TA	1/28/20	1115
[signature]	TA	1/28/20	1250	[signature]	TA	1/28/20	1250

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments:

Lab Comments:

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-221127-1
Client Project/Site: IDOT - Grayslake - WO 009C

For:
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Attn: Mr. Andris Slesers

Authorized for release by:
9/1/2022 1:18:43 PM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@et.eurofinsus.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: VM-2(4-8)-081822

Date Collected: 08/18/22 14:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-1

Matrix: Solid
Percent Solids: 87.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0064	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
1,2-Dichloroethane	<0.0037		0.0037	0.0011	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Ethylbenzene	<0.0015		0.0015	0.00070	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
2-Hexanone	<0.0037		0.0037	0.0011	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1
Xylenes, Total	<0.0029		0.0029	0.00047	mg/Kg	☼	08/19/22 17:50	08/25/22 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*75 - 131*	*08/19/22 17:50*	*08/25/22 23:48*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 126*	*08/19/22 17:50*	*08/25/22 23:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 134*	*08/19/22 17:50*	*08/25/22 23:48*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*08/19/22 17:50*	*08/25/22 23:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1

Client Sample ID: VM-2(4-8)-081822
Date Collected: 08/18/22 14:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-1
Matrix: Solid
Percent Solids: 87.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Benzo[a]anthracene	**0.0054**	**J**	0.037	0.0051	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Benzo[a]pyrene	**0.0088**	**J**	0.037	0.0073	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Benzo[b]fluoranthene	**0.011**	**J**	0.037	0.0081	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Bis(2-chloroethyl)ether	<0.19	*+	0.19	0.056	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Fluoranthene	**0.036**	**J**	0.037	0.0070	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Hexachlorocyclopentadiene	<0.76	*-	0.76	0.22	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221127-1

Client Sample ID: VM-2(4-8)-081822
Date Collected: 08/18/22 14:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-1
Matrix: Solid
Percent Solids: 87.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0098	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1
Pyrene	**0.0081**	**J**	0.037	0.0075	mg/Kg	☼	08/29/22 07:25	08/31/22 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*31 - 143*	*08/29/22 07:25*	*08/31/22 21:32*	*1*
2-Fluorobiphenyl (Surr)	*64*		*43 - 145*	*08/29/22 07:25*	*08/31/22 21:32*	*1*
2-Fluorophenol (Surr)	*108*		*31 - 166*	*08/29/22 07:25*	*08/31/22 21:32*	*1*
Nitrobenzene-d5 (Surr)	*53*		*37 - 147*	*08/29/22 07:25*	*08/31/22 21:32*	*1*
Phenol-d5 (Surr)	*83*		*30 - 153*	*08/29/22 07:25*	*08/31/22 21:32*	*1*
Terphenyl-d14 (Surr)	*106*		*42 - 157*	*08/29/22 07:25*	*08/31/22 21:32*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/22 16:30	08/29/22 18:16	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		08/25/22 16:30	08/29/22 18:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/22 16:30	08/29/22 18:16	1
Cadmium	**0.0054**		0.0050	0.0020	mg/L		08/25/22 16:30	08/29/22 18:16	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:16	1
Cobalt	**0.093**		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:16	1
Copper	<0.025		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:16	1
Iron	<0.40		0.40	0.20	mg/L		08/25/22 16:30	08/29/22 18:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/22 16:30	08/30/22 11:31	1
Manganese	**11**		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:16	1
Nickel	**0.10**		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:16	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/22 16:30	08/29/22 18:16	1
Silver	<0.025		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:16	1
Zinc	**0.028**	**J ^+**	0.50	0.020	mg/L		08/25/22 16:30	08/29/22 18:16	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.10**		0.050	0.010	mg/L		08/25/22 16:31	08/26/22 12:19	1
Barium	**0.52**		0.50	0.050	mg/L		08/25/22 16:31	08/26/22 12:19	1
Beryllium	**0.0087**		0.0040	0.0040	mg/L		08/25/22 16:31	08/26/22 12:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/22 16:31	08/26/22 12:19	1
Chromium	**0.16**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:19	1
Cobalt	**0.081**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:19	1
Copper	**0.30**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:19	1
Iron	**210**		0.40	0.20	mg/L		08/25/22 16:31	08/26/22 12:19	1
Lead	**0.11**		0.0075	0.0075	mg/L		08/25/22 16:31	08/26/22 12:19	1
Manganese	**1.6**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:19	1
Nickel	**0.27**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:19	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/22 16:31	08/26/22 12:19	1

Client Sample ID: VM-2(4-8)-081822

Date Collected: 08/18/22 14:10
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-1

Matrix: Solid
Percent Solids: 87.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:19	1
Zinc	**0.77**		0.50	0.020	mg/L		08/25/22 16:31	08/26/22 12:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**		11	4.4	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Antimony	**0.48**	**J F1**	1.1	0.21	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Arsenic	**7.0**		0.54	0.19	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Barium	**33**		0.54	0.062	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Beryllium	**0.63**		0.22	0.051	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Cadmium	**0.11**	**B**	0.11	0.020	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Calcium	**71000**		54	9.2	mg/Kg	☼	08/25/22 09:16	08/29/22 11:32	5
Chromium	**12**		0.54	0.27	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Cobalt	**11**		0.27	0.071	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Copper	**22**		0.54	0.15	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Iron	**17000**		11	5.7	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Lead	**12**	**F1**	0.27	0.13	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Magnesium	**31000**		5.4	2.7	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Manganese	**480**		0.54	0.079	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Nickel	**26**		0.54	0.16	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Potassium	**2000**	**B F1**	27	9.6	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Selenium	<0.54	F1	0.54	0.32	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Silver	**0.24**	**J**	0.27	0.070	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Sodium	**1000**		54	8.1	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Vanadium	**15**		0.27	0.064	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1
Zinc	**63**	**F1**	1.1	0.48	mg/Kg	☼	08/25/22 09:16	08/26/22 15:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/25/22 12:20	08/26/22 11:26	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/25/22 12:20	08/26/22 10:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**		0.018	0.0061	mg/Kg	☼	08/24/22 14:00	08/25/22 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.0**		0.2	0.2	SU			08/24/22 16:24	1

Client Sample ID: VM-2(8-13)-081822
Date Collected: 08/18/22 14:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-2
Matrix: Solid
Percent Solids: 87.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.031**		0.018	0.0079	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Carbon disulfide	<0.0046		0.0046	0.00095	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Chloroethane	<0.0046		0.0046	0.0013	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Methylene Chloride	**0.0018**	**J**	0.0046	0.0018	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Methyl Ethyl Ketone	**0.0055**		0.0046	0.0020	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
methyl isobutyl ketone	<0.0046		0.0046	0.0013	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*75 - 131*	*08/19/22 17:50*	*08/26/22 00:14*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 126*	*08/19/22 17:50*	*08/26/22 00:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*	*08/19/22 17:50*	*08/26/22 00:14*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*08/19/22 17:50*	*08/26/22 00:14*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1

Client Sample ID: VM-2(8-13)-081822

Date Collected: 08/18/22 14:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-2

Matrix: Solid
Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Bis(2-chloroethyl)ether	<0.19	*+	0.19	0.056	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Chrysene	**0.017**	**J**	0.037	0.010	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Fluoranthene	**0.032**	**J**	0.037	0.0069	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Hexachlorocyclopentadiene	<0.76	*-	0.76	0.22	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221127-1

Client Sample ID: VM-2(8-13)-081822
Date Collected: 08/18/22 14:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-2
Matrix: Solid
Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Phenanthrene	**0.021**	**J**	0.037	0.0052	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1
Pyrene	**0.0095**	**J**	0.037	0.0074	mg/Kg	☼	08/29/22 07:25	08/31/22 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*51*		*31 - 143*	*08/29/22 07:25*	*08/31/22 21:53*	*1*
2-Fluorobiphenyl (Surr)	*47*		*43 - 145*	*08/29/22 07:25*	*08/31/22 21:53*	*1*
2-Fluorophenol (Surr)	*79*		*31 - 166*	*08/29/22 07:25*	*08/31/22 21:53*	*1*
Nitrobenzene-d5 (Surr)	*48*		*37 - 147*	*08/29/22 07:25*	*08/31/22 21:53*	*1*
Phenol-d5 (Surr)	*56*		*30 - 153*	*08/29/22 07:25*	*08/31/22 21:53*	*1*
Terphenyl-d14 (Surr)	*85*		*42 - 157*	*08/29/22 07:25*	*08/31/22 21:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/22 16:30	08/29/22 17:59	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		08/25/22 16:30	08/29/22 17:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/22 16:30	08/29/22 17:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/22 16:30	08/29/22 17:59	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 17:59	1
Cobalt	**0.024**	**J**	0.025	0.010	mg/L		08/25/22 16:30	08/29/22 17:59	1
Copper	<0.025		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 17:59	1
Iron	<0.40		0.40	0.20	mg/L		08/25/22 16:30	08/29/22 17:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/22 16:30	08/29/22 17:59	1
Manganese	**2.1**		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 17:59	1
Nickel	**0.061**		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 17:59	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/22 16:30	08/29/22 17:59	1
Silver	<0.025		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 17:59	1
Zinc	**0.051**	**J ^+**	0.50	0.020	mg/L		08/25/22 16:30	08/29/22 17:59	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.013**	**J**	0.050	0.010	mg/L		08/25/22 16:31	08/26/22 12:22	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		08/25/22 16:31	08/26/22 12:22	1
Beryllium	**0.0052**		0.0040	0.0040	mg/L		08/25/22 16:31	08/26/22 12:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/22 16:31	08/26/22 12:22	1
Chromium	**0.12**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:22	1
Cobalt	**0.047**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:22	1
Copper	**0.097**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:22	1
Iron	**76**		0.40	0.20	mg/L		08/25/22 16:31	08/26/22 12:22	1
Lead	**0.032**		0.0075	0.0075	mg/L		08/25/22 16:31	08/26/22 12:22	1
Manganese	**0.71**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:22	1
Nickel	**0.12**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:22	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/22 16:31	08/26/22 12:22	1

Client Sample ID: VM-2(8-13)-081822

Date Collected: 08/18/22 14:15
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-2

Matrix: Solid
Percent Solids: 87.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:22	1
Zinc	**0.17**	**J**	0.50	0.020	mg/L		08/25/22 16:31	08/26/22 12:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		11	4.4	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Antimony	**0.24**	**J**	1.1	0.21	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Arsenic	**4.8**		0.54	0.18	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Barium	**42**		0.54	0.062	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Beryllium	**0.71**		0.22	0.050	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Cadmium	<0.11		0.11	0.019	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Calcium	**73000**		54	9.2	mg/Kg	☼	08/25/22 09:16	08/29/22 11:54	5
Chromium	**15**		0.54	0.27	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Cobalt	**9.9**		0.27	0.071	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Copper	**23**		0.54	0.15	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Iron	**16000**		11	5.6	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Lead	**11**		0.27	0.12	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Magnesium	**32000**		5.4	2.7	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Manganese	**360**		0.54	0.078	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Nickel	**27**		0.54	0.16	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Potassium	**2800**	**B**	27	9.6	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Silver	**0.22**	**J**	0.27	0.070	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Sodium	**460**		54	8.0	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Vanadium	**18**		0.27	0.064	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1
Zinc	**51**		1.1	0.47	mg/Kg	☼	08/25/22 09:16	08/26/22 15:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/25/22 12:20	08/26/22 10:03	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/25/22 12:20	08/26/22 10:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.018	0.0059	mg/Kg	☼	08/24/22 14:00	08/25/22 10:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**		0.2	0.2	SU			08/24/22 16:26	1

Client Sample ID: VM-3(6-13)-081822
Date Collected: 08/18/22 14:30
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-3
Matrix: Solid
Percent Solids: 86.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0071	J	0.016	0.0069	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0018	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1
Xylenes, Total	<0.0032		0.0032	0.00050	mg/Kg	☼	08/19/22 17:50	08/26/22 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*75 - 131*	*08/19/22 17:50*	*08/26/22 00:40*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 126*	*08/19/22 17:50*	*08/26/22 00:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 134*	*08/19/22 17:50*	*08/26/22 00:40*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*08/19/22 17:50*	*08/26/22 00:40*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1

Client Sample ID: VM-3(6-13)-081822
Date Collected: 08/18/22 14:30
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-3
Matrix: Solid
Percent Solids: 86.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Bis(2-chloroethyl)ether	<0.19	*+	0.19	0.057	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Chrysene	**0.014**	**J**	0.038	0.010	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Fluoranthene	**0.032**	**J**	0.038	0.0071	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Hexachlorocyclopentadiene	<0.77	*-	0.77	0.22	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake - WO 009C

Job ID: 500-221127-1

Client Sample ID: VM-3(6-13)-081822
Date Collected: 08/18/22 14:30
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-3
Matrix: Solid
Percent Solids: 86.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Phenanthrene	**0.0082**	**J**	0.038	0.0053	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	08/29/22 07:25	08/31/22 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*52*		*31 - 143*	*08/29/22 07:25*	*08/31/22 22:14*	*1*
2-Fluorobiphenyl (Surr)	*53*		*43 - 145*	*08/29/22 07:25*	*08/31/22 22:14*	*1*
2-Fluorophenol (Surr)	*88*		*31 - 166*	*08/29/22 07:25*	*08/31/22 22:14*	*1*
Nitrobenzene-d5 (Surr)	*41*		*37 - 147*	*08/29/22 07:25*	*08/31/22 22:14*	*1*
Phenol-d5 (Surr)	*77*		*30 - 153*	*08/29/22 07:25*	*08/31/22 22:14*	*1*
Terphenyl-d14 (Surr)	*87*		*42 - 157*	*08/29/22 07:25*	*08/31/22 22:14*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/22 16:30	08/29/22 18:04	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		08/25/22 16:30	08/29/22 18:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/22 16:30	08/29/22 18:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/22 16:30	08/29/22 18:04	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:04	1
Cobalt	**0.010**	**J**	0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:04	1
Copper	<0.025		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:04	1
Iron	<0.40		0.40	0.20	mg/L		08/25/22 16:30	08/29/22 18:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/22 16:30	08/30/22 11:27	1
Manganese	**1.9**		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:04	1
Nickel	**0.023**	**J**	0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:04	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/22 16:30	08/29/22 18:04	1
Silver	<0.025		0.025	0.010	mg/L		08/25/22 16:30	08/29/22 18:04	1
Zinc	<0.50	^+	0.50	0.020	mg/L		08/25/22 16:30	08/29/22 18:04	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		08/25/22 16:31	08/26/22 12:25	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		08/25/22 16:31	08/26/22 12:25	1
Beryllium	**0.0047**		0.0040	0.0040	mg/L		08/25/22 16:31	08/26/22 12:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/22 16:31	08/26/22 12:25	1
Chromium	**0.10**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:25	1
Cobalt	**0.029**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:25	1
Copper	**0.12**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:25	1
Iron	**90**		0.40	0.20	mg/L		08/25/22 16:31	08/26/22 12:25	1
Lead	**0.035**		0.0075	0.0075	mg/L		08/25/22 16:31	08/26/22 12:25	1
Manganese	**0.53**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:25	1
Nickel	**0.10**		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:25	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/22 16:31	08/26/22 12:25	1

Client Sample ID: VM-3(6-13)-081822

Date Collected: 08/18/22 14:30
Date Received: 08/19/22 11:05

Lab Sample ID: 500-221127-3

Matrix: Solid
Percent Solids: 86.1

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/22 16:31	08/26/22 12:25	1
Zinc	**0.21**	**J**	0.50	0.020	mg/L		08/25/22 16:31	08/26/22 12:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		11	4.7	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Antimony	**0.23**	**J**	1.1	0.22	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Arsenic	**4.9**		0.57	0.20	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Barium	**52**		0.57	0.065	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Beryllium	**0.74**		0.23	0.053	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Cadmium	**0.026**	**J B**	0.11	0.021	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Calcium	**70000**		57	9.7	mg/Kg	☼	08/25/22 09:16	08/29/22 11:57	5
Chromium	**16**		0.57	0.28	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Cobalt	**14**		0.29	0.075	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Copper	**22**		0.57	0.16	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Iron	**17000**		11	5.9	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Lead	**10**		0.29	0.13	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Magnesium	**31000**		5.7	2.8	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Manganese	**480**		0.57	0.083	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Nickel	**34**		0.57	0.17	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Potassium	**3100**	**B**	29	10	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Selenium	**0.34**	**J**	0.57	0.34	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Silver	**0.24**	**J**	0.29	0.074	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Sodium	**210**		57	8.4	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Vanadium	**19**		0.29	0.067	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1
Zinc	**51**		1.1	0.50	mg/Kg	☼	08/25/22 09:16	08/26/22 15:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/25/22 12:20	08/26/22 10:05	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/25/22 12:20	08/26/22 10:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**	**J**	0.018	0.0061	mg/Kg	☼	08/24/22 14:00	08/25/22 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			08/24/22 16:29	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-221127-1
Project/Site: IDOT - Grayslake - WO 009C

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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 exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Chain of Custody Record

542014

eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Andy Sleter	Site Contact:	Date.	COC No
Company Name	Tel/Email.	Lab Contact:	Carrier:	2 of 2 COCs
Address Weston Solutions	**Analysis Turnaround Time**			Sampler:
City/State/Zip	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Phone L. Wickliffe, IL	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name Grayslake	☐ 1 week			
Site	☐ 2 days			Job / SDG No
P O #	☐ 1 day			500-221127

500-221127 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	SVOC	Total Metals	TCLP Metals	SPLP Metals	pH	Sample Specific Notes
	AL44 6(5-10)-081822	8-18-22	~~1240~~ 1210	G	S	5			X	X	X	X	X	X	
	AL44-6 (10-15)-081822		1215												
	AL44-7 (2-8)-081822		1240												
	SQ 1(5 8)-081822		1310												
	HI 2(3 5)-081822		1335												
	HI 2(3-8)-081822D		1335												
	HI 3(6-12)-081822		1350												
1	VM-2(4-8) 081822		1410												
2	VM-2(8-13)-081822		1415												
3	VM-3(6-13)-081822		1430												

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

3.2+1.2, 4.5+2.5

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	West Solutions	8-19-22 1413	[signature]	EETA	08/19/22 0943
[signature]	EETA	8/19/22 1105			
			Received in Laboratory by Stephanie Hernandez	EETA	8/19/22 11 5

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: FAP 866 - IL 83 at IL 137 Office Phone Number, if available:

Physical Site Location (address, including number and street):
Agricultural Land - 19700-19800 blocks of W. Buckley Rd. (ISGS Site No. 3079V2-64)

City: Grayslake State: IL Zip Code: 60030

County: Lake Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.32479 Longitude: - 88.02111
(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): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 82

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: FAP 866 - IL 83 at IL 137 Latitude: 42.32479 Longitude: - 88.02111

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 AL45-1, AL64-1, AL64-2, AND AL64-4 WERE SAMPLED ALONG THE AGRICULTURAL LAND ROW. SEE FIGURES 3-1 AND 3-2, AND TABLE 4-1 OF THE 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: 500-176787-1. ALSO SEE FIGURES 4-1 AND 4-2 OF THE 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 Knightsbridge Parkway; Suite 360
City:	Lincolnshire State: IL Zip Code: 60069
Phone:	(224) 864-7200

Margaret Doheny-Skubic, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 27, 2023
Date:

P.E or L.P.G. Seal:

Summary Table of Agricultural Land (ISGS Site No. 3079V-64)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL64-1	AL64-2	AL64-4	AL45-1
Sample Date		1/22/2020	1/22/2020	1/22/2020	1/22/2020
Field Sample ID		AL64-1(0-2)-012220	AL64-2(0-2)-012220	AL64-4(0-2)-012220	AL45-1(0-2)-012220
ISGS Site No.		3079V-64	3079V-64	3079V-64	3079V-45
Laboratory pH	<6.25, >9.0	8.0	8.3	8.4	7.9
VOCs					
SVOCs (mg/kg)					
2,4,5-Trichlorophenol	26	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.66	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND
2-Methylnaphthalene	---	0.01 J	ND	0.0073 J	ND
4,6-Dinitro-2-methylphenol	---	ND	ND	ND	ND
Acenaphthene	570	0.01 J	0.016 J	0.053	ND
Acenaphthylene	---	0.017 J	0.023 J	0.029 J	0.016 J
Anthracene	12000	0.036 J	0.053	0.14	0.018 J
Benzo(a)anthracene	0.9 / 1.1 / 1.8	0.22	0.29	0.59	0.11
Benzo(a)pyrene	0.09 / 1.3 / 2.1	0.33	0.45	0.85	0.16
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	0.57	0.77	1.3	0.22
Benzo(g,h,i)perylene	---	0.13	0.18	0.31	0.068
Benzo(k)fluoranthene	9	0.13	0.21	0.54	0.079
bis(2-Ethylhexyl)phthalate	46	0.13 J	0.14 J	0.17 J	ND
Butyl benzyl phthalate	930	0.079 J	ND	4	ND
Carbazole	0.6	ND	ND	ND	ND
Chrysene	88	0.29	0.4	0.76	0.15
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	0.035 J	0.055	0.097	0.021 J
Dibenzofuran	---	ND	ND	ND	ND
Di-N-Butyl phthalate	2300	ND	ND	ND	ND
Fluoranthene	3100	0.55	0.7	1.7	0.28
Fluorene	560	0.022 J	0.029 J	0.064	0.016 J
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	0.12	0.17	0.29	0.071
Naphthalene	1.8	ND	ND	0.0096 J	ND
Pentachlorophenol	0.03	ND	ND	ND	ND
Phenanthrene	---	0.2	0.26	0.79	0.1
Pyrene	2300	0.46	0.58	1.6	0.2
Pesticides (mg/kg)					
4,4-DDD	3	---	---	---	---
4,4-DDE	2	---	---	---	---
Dieldrin	0.603	---	---	---	---
PCBs (mg/kg)					
Aroclor-1248	1	---	---	---	---
Total Inorganics (mg/kg)					
Aluminum, Total	---	ND	ND	ND	ND
Antimony, Total	5	0.45 J	0.35 J	0.61 J	0.58 J
Arsenic, Total	11.3 / 13.0	4.6	5.8	3.7	6.4
Barium, Total	1500	64 B	62 B	46 B	81 B
Beryllium, Total	22	0.77	0.99	0.59	0.71
Cadmium, Total	5.2	0.28	0.25	0.78	0.32
Calcium, Total	---	55000 B	17000 B	75000 B	49000 B
Chromium, Total	21	18	22	30	16
Cobalt, Total	20	8.6	11	5.5	8.1
Copper, Total	2900	22	22	62	20
Cyanide, Total	0.2	---	---	---	---
Iron, Total	15000 / 15900	16000	21000	12000	18000
Lead, Total	107	100	25	88	60
Magnesium, Total	325000	28000	13000	35000	24000
Manganese, Total	630 / 636	300	370	260	350
Mercury, Total	0.89	0.033	0.035	0.11	0.022 J
Nickel, Total	100	21	30	18	21
Potassium, Total	---	1900	3200	1200	1900
Selenium, Total	1.3	0.49 J	ND	0.42 J	0.47 J
Silver, Total	4.4	2.4	3.5	1.9	2.2
Sodium, Total	---	1600	2000	2100	1900
Thallium, Total	2.6	ND	ND	ND	ND
Vanadium, Total	550	27	31	19	23
Zinc, Total	5100	78	72	160	72

Summary Table of Agricultural Land (ISGS Site No. 3079V-64)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 866: IL 83
Grayslake, Lake County, Illinois

Location	Reference Concentrations (MAC Table)	AL64-1	AL64-2	AL64-4	AL45-1
Sample Date		1/22/2020	1/22/2020	1/22/2020	1/22/2020
Field Sample ID		AL64-1(0-2)-012220	AL64-2(0-2)-012220	AL64-4(0-2)-012220	AL45-1(0-2)-012220
ISGS Site No.		3079V-64	3079V-64	3079V-64	3079V-45
TCLP Metals (mg/l)					
Arsenic, TCLP	0.05	ND	ND	ND	ND
Barium, TCLP	2	0.38 J	0.38 J	0.31 J	0.34 J
Beryllium, TCLP	0.004	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.002 J	ND	0.0024 J	0.0025 J
Chromium, TCLP	0.1	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	ND	0.023 J
Copper, TCLP	0.65	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND
Lead, TCLP	0.0075	0.0092	ND	0.012	ND
Manganese, TCLP	0.15	1.3	3.8	0.87	5.8
Mercury, TCLP	0.002	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	0.01 J	0.015 J	0.017 J
Selenium, TCLP	0.05	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND
Thallium, TCLP	0.002	ND	ND	ND	ND
Zinc, TCLP	5	0.25 J	ND	ND	ND
SPLP Metals (mg/l)					
Arsenic, SPLP	0.05	0.057	0.032 J	0.061	0.058
Barium, SPLP	2	0.87	0.47 J	0.55	0.5
Beryllium, SPLP	0.004	0.01	0.0052	0.008	0.008
Cadmium, SPLP	0.005	ND	ND	0.0021 J	ND
Chromium, SPLP	0.1	0.23	0.13	0.17	0.16
Cobalt, SPLP	1	0.045	0.042	0.066	0.076
Copper, SPLP	0.65	0.22	0.13	0.26	0.23
Iron, SPLP	5	210	110	160	170
Lead, SPLP	0.0075	0.23	0.18	0.73	0.34
Manganese, SPLP	0.15	1	1.2	1.8	1.8
Mercury, SPLP	0.002	0.00052	0.0002	0.00024	0.00024
Nickel, SPLP	0.1	0.22	0.12	0.19	0.22
Selenium, SPLP	0.05	ND	ND	ND	ND
Silver, SPLP	0.05	0.014 J	ND	0.01 J	0.011 J
Thallium, SPLP	0.002	ND	ND	ND	ND
Zinc, SPLP	5	0.75	0.51	0.99	0.67

Notes:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table 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: 500-176787-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
2/5/2020 4:55:53 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: AL45-1(0-2)-012220

Date Collected: 01/22/20 09:40
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-13

Matrix: Solid
Percent Solids: 86.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.60	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,1,2-Trichloroethane	<1.8		1.8	0.77	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,2-Dichloropropane	<1.8		1.8	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
1,3-Dichloropropene, Total	<1.8		1.8	0.63	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Acetone	**47**		18	7.8	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Bromoform	<1.8		1.8	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Carbon disulfide	<4.5		4.5	0.93	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Carbon tetrachloride	<1.8		1.8	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Chlorobenzene	<1.8		1.8	0.66	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Chloroethane	<4.5		4.5	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Chloroform	<1.8		1.8	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
cis-1,2-Dichloroethene	<1.8		1.8	0.50	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
cis-1,3-Dichloropropene	<1.8		1.8	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Ethylbenzene	<1.8		1.8	0.86	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Methyl Ethyl Ketone	**9.8**		4.5	2.0	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Styrene	<1.8		1.8	0.54	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Tetrachloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Toluene	<1.8		1.8	0.45	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
trans-1,2-Dichloroethene	<1.8		1.8	0.80	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
trans-1,3-Dichloropropene	<1.8		1.8	0.63	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Vinyl chloride	<1.8		1.8	0.79	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1
Xylenes, Total	<3.6		3.6	0.57	ug/Kg	☼	01/23/20 16:35	01/31/20 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*	*01/23/20 16:35*	*01/31/20 05:23*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 131*	*01/23/20 16:35*	*01/31/20 05:23*	*1*
Dibromofluoromethane	*106*		*75 - 126*	*01/23/20 16:35*	*01/31/20 05:23*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/23/20 16:35*	*01/31/20 05:23*	*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	☼	01/30/20 13:29	02/03/20 17:51	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176787-1

Client Sample ID: AL45-1(0-2)-012220
Date Collected: 01/22/20 09:40
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-13
Matrix: Solid
Percent Solids: 86.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Methylphenol	<190		190	61	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Acenaphthylene	**16**	**J**	38	5.0	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Anthracene	**18**	**J**	38	6.4	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Benzo[a]anthracene	**110**		38	5.1	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Benzo[a]pyrene	**160**		38	7.4	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Benzo[b]fluoranthene	**220**		38	8.2	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Benzo[g,h,i]perylene	**68**		38	12	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Benzo[k]fluoranthene	**79**		38	11	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Carbazole	<190		190	95	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Chrysene	**150**		38	10	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Dibenz(a,h)anthracene	**21**	**J**	38	7.4	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Dibenzofuran	<190		190	45	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Fluoranthene	**280**		38	7.1	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Fluorene	**16**	**J**	38	5.3	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Hexachloroethane	<190		190	58	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1

Client Sample ID: AL45-1(0-2)-012220

Date Collected: 01/22/20 09:40
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-13

Matrix: Solid
Percent Solids: 86.9

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	**71**		38	9.9	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Isophorone	<190		190	43	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Naphthalene	<38		38	5.9	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Phenanthrene	**100**		38	5.3	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Phenol	<190		190	85	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1
Pyrene	**200**		38	7.6	ug/Kg	☼	01/30/20 13:29	02/03/20 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*31 - 143*	*01/30/20 13:29*	*02/03/20 17:51*	*1*
2-Fluorobiphenyl	*94*		*43 - 145*	*01/30/20 13:29*	*02/03/20 17:51*	*1*
2-Fluorophenol	*104*		*31 - 166*	*01/30/20 13:29*	*02/03/20 17:51*	*1*
Nitrobenzene-d5	*86*		*37 - 147*	*01/30/20 13:29*	*02/03/20 17:51*	*1*
Phenol-d5	*85*		*30 - 153*	*01/30/20 13:29*	*02/03/20 17:51*	*1*
Terphenyl-d14	*109*		*42 - 157*	*01/30/20 13:29*	*02/03/20 17:51*	*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		01/31/20 15:55	02/03/20 17:34	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 17:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 17:34	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 17:34	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Cobalt	**0.023**	**J**	0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 17:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 17:34	1
Manganese	**5.8**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 17:34	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:34	1
Zinc	**0.11**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 17:34	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		01/31/20 15:46	02/03/20 15:25	1
Barium	**0.50**		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:25	1
Beryllium	**0.0080**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:25	1
Chromium	**0.16**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Cobalt	**0.076**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Copper	**0.23**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Iron	**170**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:25	1
Lead	**0.34**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:25	1
Manganese	**1.8**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Nickel	**0.22**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:25	1

Client Sample ID: AL45-1(0-2)-012220

Date Collected: 01/22/20 09:40
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-13

Matrix: Solid
Percent Solids: 86.9

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.011	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:25	1
Zinc	0.67		0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J	1.1	0.21	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Arsenic	6.4		0.55	0.19	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Barium	81	B	0.55	0.062	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Beryllium	0.71		0.22	0.051	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Cadmium	0.32		0.11	0.020	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Calcium	49000	B	110	19	mg/Kg	☼	01/29/20 06:46	01/31/20 01:38	10
Chromium	16		0.55	0.27	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Cobalt	8.1		0.27	0.072	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Copper	20		0.55	0.15	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Iron	18000		11	5.7	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Lead	60		0.27	0.13	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Magnesium	24000		5.5	2.7	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Manganese	350		0.55	0.079	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Nickel	21		0.55	0.16	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Potassium	1900		27	9.7	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Selenium	0.47	J	0.55	0.32	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Silver	2.2		0.27	0.071	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Sodium	1900		55	8.1	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Vanadium	23		0.27	0.065	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	1
Zinc	72		1.1	0.48	mg/Kg	☼	01/29/20 06:46	01/29/20 20:04	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		02/04/20 10:25	02/05/20 09:30	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22	F1 F2	18	6.0	ug/Kg	☼	01/31/20 14:45	02/04/20 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			01/29/20 16:43	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176787-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.5

500-176787 COC

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone: same
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-176787
Chain of Custody Number:
Page 1 of 5
Temperature °C of Cooler: 2.6, 5.7, 4.5, 5.1, 3.7

Client: Weston Solutions, Inc
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: [illegible] D. Taylor O.
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		AL64-3(0-2)-~~012220~~ 012220	1/22/20	0910	5	S	x	x	x	x	x					
2		AL64-2(0-2)-012220	↓	0900	5	↓	↓	↓	↓	↓	↓					
3		AL64-1(0-2)-012220	↓	0850	6	↓	↓	↓	↓	↓	↓					
4		Trip Blank	1/22/20	—	2	WT	x									

T. Wells 1-22-20

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 ☒ Disposal by Lab ☐ Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	1/22/20	1730	Timothy A. Wells	Weston	1-22-20	1730
Timothy A. Wells	Weston	1-23-20	1137	P. Neal	TA	1/23/20	1137
P. Neal	TA	1/23/20	1323	Shiri Scott	TA-CHI	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/5/2020

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

(optional)
Bill To
Contact: Same
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-176787
Chain of Custody Number:
Page 2 of 5
Temperature °C of Cooler:

Client: Weston Solutions, Inc.
Client Project #: 02056-016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Alex D + Taylor O.
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
5		AL45-4(6-6)-012220	1/22/20	1015	5	S	x	x	x	x	x					
6		AL45-4(6-12)-012220		1020	5											
7		AL45-4(6-12)-012220D		1020	5											
8		AL45-4-012220		1030	6	WT	x	x	x	x		NO pH				pH analysis not required
9		AL45-4-012220D		1030	6	WT	x	x	x	x						pH analysis not required
10		AL45-4(12-18)-012220		1035	5	S	x	x	x	x	x					
11		AL45-3(0-4)-012220		1005	5											
12		AL45-2(0-2)-012220		0950	5											
13		AL45-1(0-2)-012220		0940	5											
14		~~AL45~~ AL64-4(0-2)-012220		0930	5											

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
[signature]	Weston	1/22/20	1730	[signature]	Weston	1-22-20	1730
[signature]	Weston	1-23-20	1137	[signature]	TA	1/23/20	1137
[signature]	TA	1/23/20	1323	[signature]	TA-CHI	1/23/20	1323

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
NO pH for AL45-4-012220 and AL45-4-012220D

Lab Comments:

TAL-4124-500 (1209)

2/5/2020

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-176787-1
Client Project/Site: IDOT - Grayslake Park - WO 009

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
2/5/2020 4:55:53 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

Richard Wright, Senior Project Manager
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richard.wright@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: AL64-2(0-2)-012220

Date Collected: 01/22/20 09:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-2

Matrix: Solid
Percent Solids: 79.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0	0.68	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
1,1,2-Trichloroethane	<2.0		2.0	0.87	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
1,1-Dichloroethane	<2.0		2.0	0.69	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
1,1-Dichloroethene	<2.0		2.0	0.69	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
1,2-Dichloroethane	<5.0		5.0	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
1,2-Dichloropropane	<2.0		2.0	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
1,3-Dichloropropene, Total	<2.0		2.0	0.71	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
2-Hexanone	<5.0		5.0	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Acetone	**40**		20	8.8	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Benzene	<2.0		2.0	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Bromodichloromethane	<2.0		2.0	0.41	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Bromoform	<2.0		2.0	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Bromomethane	<5.0		5.0	1.9	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Carbon disulfide	<5.0		5.0	1.0	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Carbon tetrachloride	<2.0		2.0	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Chlorobenzene	<2.0		2.0	0.74	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Chloroethane	<5.0		5.0	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Chloroform	<2.0		2.0	0.70	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Chloromethane	<5.0		5.0	2.0	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
cis-1,2-Dichloroethene	<2.0		2.0	0.56	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
cis-1,3-Dichloropropene	<2.0		2.0	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Dibromochloromethane	<2.0		2.0	0.66	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Ethylbenzene	<2.0		2.0	0.97	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Methyl Ethyl Ketone	**4.9**	**J**	5.0	2.2	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
methyl isobutyl ketone	<5.0		5.0	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Methyl tert-butyl ether	<2.0		2.0	0.59	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Methylene Chloride	<5.0		5.0	2.0	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Styrene	<2.0		2.0	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Tetrachloroethene	<2.0		2.0	0.69	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Toluene	<2.0		2.0	0.51	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
trans-1,2-Dichloroethene	<2.0		2.0	0.89	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
trans-1,3-Dichloropropene	<2.0		2.0	0.71	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Trichloroethene	<2.0		2.0	0.68	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Vinyl chloride	<2.0		2.0	0.89	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1
Xylenes, Total	<4.0		4.0	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*	*01/23/20 16:35*	*01/31/20 02:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 131*	*01/23/20 16:35*	*01/31/20 02:00*	*1*
Dibromofluoromethane	*108*		*75 - 126*	*01/23/20 16:35*	*01/31/20 02:00*	*1*
Toluene-d8 (Surr)	*89*		*75 - 124*	*01/23/20 16:35*	*01/31/20 02:00*	*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	☼	01/30/20 13:29	02/03/20 18:47	1
1,2-Dichlorobenzene	<210		210	50	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
1,3-Dichlorobenzene	<210		210	47	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176787-1

Client Sample ID: AL64-2(0-2)-012220
Date Collected: 01/22/20 09:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-2
Matrix: Solid
Percent Solids: 79.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	95	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2,4-Dichlorophenol	<410		410	99	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2,4-Dinitrophenol	<840		840	730	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2,4-Dinitrotoluene	<210		210	66	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2,6-Dinitrotoluene	<210		210	82	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2-Chloronaphthalene	<210		210	46	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2-Chlorophenol	<210		210	71	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2-Methylnaphthalene	<84		84	7.6	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2-Methylphenol	<210		210	67	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2-Nitroaniline	<210		210	56	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
2-Nitrophenol	<410		410	98	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
4,6-Dinitro-2-methylphenol	<840		840	330	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
4-Bromophenyl phenyl ether	<210		210	55	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
4-Chloroaniline	<840		840	200	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
4-Chlorophenyl phenyl ether	<210		210	49	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
4-Nitrophenol	<840		840	400	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Acenaphthene	**16**	**J**	41	7.5	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Acenaphthylene	**23**	**J**	41	5.5	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Anthracene	**53**		41	6.9	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Benzo[a]anthracene	**290**		41	5.6	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Benzo[a]pyrene	**450**		41	8.0	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Benzo[b]fluoranthene	**770**		41	9.0	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Benzo[g,h,i]perylene	**180**		41	13	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Benzo[k]fluoranthene	**210**		41	12	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Bis(2-ethylhexyl) phthalate	**140**	**J**	210	76	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Butyl benzyl phthalate	<210		210	79	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Carbazole	<210		210	100	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Chrysene	**400**		41	11	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Dibenz(a,h)anthracene	**55**		41	8.0	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Dibenzofuran	<210		210	49	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Di-n-octyl phthalate	<210		210	68	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Fluoranthene	**700**		41	7.7	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Fluorene	**29**	**J**	41	5.8	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Hexachlorobenzene	<84		84	9.6	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Hexachlorocyclopentadiene	<840		840	240	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Hexachloroethane	<210		210	63	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1

Client Sample ID: AL64-2(0-2)-012220

Date Collected: 01/22/20 09:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-2

Matrix: Solid
Percent Solids: 79.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**170**		41	11	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Isophorone	<210		210	47	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Naphthalene	<41		41	6.4	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Nitrobenzene	<41		41	10	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
N-Nitrosodi-n-propylamine	<84		84	51	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Pentachlorophenol	<840		840	670	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Phenanthrene	**260**		41	5.8	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Phenol	<210		210	92	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1
Pyrene	**580**		41	8.3	ug/Kg	☼	01/30/20 13:29	02/03/20 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*113*		*31 - 143*	*01/30/20 13:29*	*02/03/20 18:47*	*1*
2-Fluorobiphenyl	*94*		*43 - 145*	*01/30/20 13:29*	*02/03/20 18:47*	*1*
2-Fluorophenol	*95*		*31 - 166*	*01/30/20 13:29*	*02/03/20 18:47*	*1*
Nitrobenzene-d5	*86*		*37 - 147*	*01/30/20 13:29*	*02/03/20 18:47*	*1*
Phenol-d5	*77*		*30 - 153*	*01/30/20 13:29*	*02/03/20 18:47*	*1*
Terphenyl-d14	*133*		*42 - 157*	*01/30/20 13:29*	*02/03/20 18:47*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 16:49	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 16:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 16:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 16:49	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:49	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:49	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:49	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 16:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 16:49	1
Manganese	**3.8**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:49	1
Nickel	**0.010**	**J**	0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:49	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 16:49	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:49	1
Zinc	**0.055**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 16:49	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.032**	**J**	0.050	0.010	mg/L		01/31/20 15:46	02/03/20 14:46	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		01/31/20 15:46	02/03/20 14:46	1
Beryllium	**0.0052**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 14:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 14:46	1
Chromium	**0.13**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:46	1
Cobalt	**0.042**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:46	1
Copper	**0.13**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:46	1
Iron	**110**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 14:46	1
Lead	**0.18**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 14:46	1
Manganese	**1.2**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:46	1
Nickel	**0.12**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:46	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 14:46	1

Client Sample ID: AL64-2(0-2)-012220

Date Collected: 01/22/20 09:00
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-2

Matrix: Solid
Percent Solids: 79.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:46	1
Zinc	**0.51**		0.50	0.020	mg/L		01/31/20 15:46	02/03/20 14:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.35**	**J**	1.2	0.24	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Arsenic	**5.8**		0.62	0.21	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Barium	**62**	**B**	0.62	0.071	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Beryllium	**0.99**		0.25	0.058	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Cadmium	**0.25**		0.12	0.022	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Calcium	**17000**	**B**	12	2.1	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Chromium	**22**		0.62	0.31	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Cobalt	**11**		0.31	0.082	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Copper	**22**		0.62	0.17	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Iron	**21000**		12	6.5	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Lead	**25**		0.31	0.14	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Magnesium	**13000**		6.2	3.1	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Manganese	**370**		0.62	0.091	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Nickel	**30**		0.62	0.18	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Potassium	**3200**		31	11	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Selenium	<0.62		0.62	0.37	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Silver	**3.5**		0.31	0.081	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Sodium	**2000**		62	9.2	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Vanadium	**31**		0.31	0.074	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	1
Zinc	**72**		1.2	0.55	mg/Kg	☼	01/29/20 06:46	01/29/20 18:52	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		02/04/20 10:25	02/05/20 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		02/04/20 10:25	02/05/20 10:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**35**		20	6.7	ug/Kg	☼	01/31/20 14:45	02/04/20 09:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**		0.2	0.2	SU			01/29/20 15:40	1

Client Sample ID: AL64-1(0-2)-012220

Date Collected: 01/22/20 08:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-3

Matrix: Solid
Percent Solids: 80.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.5		2.5	0.85	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
1,1,2,2-Tetrachloroethane	<2.5		2.5	0.81	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
1,1,2-Trichloroethane	<2.5		2.5	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
1,1-Dichloroethane	<2.5		2.5	0.87	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
1,1-Dichloroethene	<2.5		2.5	0.87	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
1,2-Dichloroethane	<6.4		6.4	2.0	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
1,2-Dichloropropane	<2.5		2.5	0.66	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
1,3-Dichloropropene, Total	<2.5		2.5	0.89	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
2-Hexanone	<6.4		6.4	2.0	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Acetone	<25		25	11	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Benzene	<2.5		2.5	0.65	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Bromodichloromethane	<2.5		2.5	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Bromoform	<2.5		2.5	0.74	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Bromomethane	<6.4		6.4	2.4	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Carbon disulfide	<6.4		6.4	1.3	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Carbon tetrachloride	<2.5		2.5	0.74	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Chlorobenzene	<2.5		2.5	0.94	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Chloroethane	<6.4		6.4	1.9	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Chloroform	<2.5		2.5	0.88	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Chloromethane	<6.4		6.4	2.6	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
cis-1,2-Dichloroethene	<2.5		2.5	0.71	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
cis-1,3-Dichloropropene	<2.5		2.5	0.77	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Dibromochloromethane	<2.5		2.5	0.83	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Ethylbenzene	<2.5		2.5	1.2	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Methyl Ethyl Ketone	<6.4		6.4	2.8	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
methyl isobutyl ketone	<6.4		6.4	1.9	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Methyl tert-butyl ether	<2.5		2.5	0.75	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Methylene Chloride	<6.4		6.4	2.5	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Styrene	<2.5		2.5	0.77	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Tetrachloroethene	<2.5		2.5	0.87	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Toluene	<2.5		2.5	0.64	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
trans-1,2-Dichloroethene	<2.5		2.5	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
trans-1,3-Dichloropropene	<2.5		2.5	0.89	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Trichloroethene	<2.5		2.5	0.86	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Vinyl chloride	<2.5		2.5	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1
Xylenes, Total	<5.1		5.1	0.81	ug/Kg	☼	01/23/20 16:35	01/31/20 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/23/20 16:35*	*01/31/20 02:26*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 131*	*01/23/20 16:35*	*01/31/20 02:26*	*1*
Dibromofluoromethane	*107*		*75 - 126*	*01/23/20 16:35*	*01/31/20 02:26*	*1*
Toluene-d8 (Surr)	*88*		*75 - 124*	*01/23/20 16:35*	*01/31/20 02:26*	*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	44	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Grayslake Park - WO 009

Job ID: 500-176787-1

Client Sample ID: AL64-1(0-2)-012220
Date Collected: 01/22/20 08:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-3
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	☼	01/30/20 13:29	02/03/20 19:15	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2,4-Dinitrotoluene	<200		200	65	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2-Methylnaphthalene	**10**	**J**	82	7.5	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2-Methylphenol	<200		200	65	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
4-Bromophenyl phenyl ether	<200		200	54	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Acenaphthene	**10**	**J**	40	7.3	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Acenaphthylene	**17**	**J**	40	5.4	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Anthracene	**36**	**J**	40	6.8	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Benzo[a]anthracene	**220**		40	5.5	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Benzo[a]pyrene	**330**		40	7.9	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Benzo[b]fluoranthene	**570**		40	8.8	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Benzo[g,h,i]perylene	**130**		40	13	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Benzo[k]fluoranthene	**130**		40	12	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Bis(2-ethylhexyl) phthalate	**130**	**J**	200	74	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Butyl benzyl phthalate	**79**	**J**	200	77	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Carbazole	<200		200	100	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Chrysene	**290**		40	11	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Dibenz(a,h)anthracene	**35**	**J**	40	7.8	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Dibenzofuran	<200		200	48	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Fluoranthene	**550**		40	7.5	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Fluorene	**22**	**J**	40	5.7	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Hexachloroethane	<200		200	62	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1

Client Sample ID: AL64-1(0-2)-012220

Date Collected: 01/22/20 08:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-3

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	**120**		40	11	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Isophorone	<200		200	46	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Naphthalene	<40		40	6.2	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Nitrobenzene	<40		40	10	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
N-Nitrosodi-n-propylamine	<82		82	50	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Phenanthrene	**200**		40	5.7	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Phenol	<200		200	90	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1
Pyrene	**460**		40	8.1	ug/Kg	☼	01/30/20 13:29	02/03/20 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*107*		*31 - 143*	*01/30/20 13:29*	*02/03/20 19:15*	*1*
2-Fluorobiphenyl	*92*		*43 - 145*	*01/30/20 13:29*	*02/03/20 19:15*	*1*
2-Fluorophenol	*89*		*31 - 166*	*01/30/20 13:29*	*02/03/20 19:15*	*1*
Nitrobenzene-d5	*81*		*37 - 147*	*01/30/20 13:29*	*02/03/20 19:15*	*1*
Phenol-d5	*76*		*30 - 153*	*01/30/20 13:29*	*02/03/20 19:15*	*1*
Terphenyl-d14	*133*		*42 - 157*	*01/30/20 13:29*	*02/03/20 19:15*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 16:54	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 16:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 16:54	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 16:54	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:54	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:54	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:54	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 16:54	1
Lead	**0.0092**		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 16:54	1
Manganese	**1.3**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:54	1
Nickel	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:54	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 16:54	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 16:54	1
Zinc	**0.25**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 16:54	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.057**		0.050	0.010	mg/L		01/31/20 15:46	02/03/20 14:50	1
Barium	**0.87**		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 14:50	1
Beryllium	**0.010**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 14:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 14:50	1
Chromium	**0.23**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:50	1
Cobalt	**0.045**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:50	1
Copper	**0.22**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:50	1
Iron	**210**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 14:50	1
Lead	**0.23**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 14:50	1
Manganese	**1.0**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:50	1
Nickel	**0.22**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:50	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 14:50	1

Client Sample ID: AL64-1(0-2)-012220

Date Collected: 01/22/20 08:50
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-3

Matrix: Solid
Percent Solids: 80.5

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.014	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 14:50	1
Zinc	0.75		0.50	0.020	mg/L		01/31/20 15:46	02/03/20 14:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.45	J	1.2	0.23	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Arsenic	4.6		0.58	0.20	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Barium	64	B	0.58	0.066	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Beryllium	0.77		0.23	0.054	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Cadmium	0.28		0.12	0.021	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Calcium	55000	B	120	20	mg/Kg	☼	01/29/20 06:46	01/31/20 00:58	10
Chromium	18		0.58	0.29	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Cobalt	8.6		0.29	0.076	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Copper	22		0.58	0.16	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Iron	16000		12	6.0	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Lead	100		0.29	0.13	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Magnesium	28000		5.8	2.9	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Manganese	300		0.58	0.084	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Nickel	21		0.58	0.17	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Potassium	1900		29	10	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Selenium	0.49	J	0.58	0.34	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Silver	2.4		0.29	0.075	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Sodium	1600		58	8.6	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Vanadium	27		0.29	0.068	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1
Zinc	78		1.2	0.51	mg/Kg	☼	01/29/20 06:46	01/29/20 18:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 09:19	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.52		0.33	0.33	ug/L		02/04/20 10:25	02/05/20 10:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	33		20	6.8	ug/Kg	☼	01/31/20 14:45	02/04/20 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			01/29/20 15:42	1

Client Sample ID: AL64-4(0-2)-012220

Date Collected: 01/22/20 09:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-14

Matrix: Solid
Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.1		2.1	0.69	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
1,1,2,2-Tetrachloroethane	<2.1		2.1	0.66	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
1,1,2-Trichloroethane	<2.1		2.1	0.89	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
1,1-Dichloroethane	<2.1		2.1	0.71	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
1,1-Dichloroethene	<2.1		2.1	0.71	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
1,2-Dichloroethane	<5.2		5.2	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
1,2-Dichloropropane	<2.1		2.1	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
1,3-Dichloropropene, Total	<2.1		2.1	0.73	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
2-Hexanone	<5.2		5.2	1.6	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Acetone	**49**		21	9.0	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Benzene	<2.1		2.1	0.53	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Bromodichloromethane	<2.1		2.1	0.42	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Bromoform	<2.1		2.1	0.60	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Bromomethane	<5.2		5.2	2.0	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Carbon disulfide	<5.2		5.2	1.1	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Carbon tetrachloride	<2.1		2.1	0.60	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Chlorobenzene	<2.1		2.1	0.76	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Chloroethane	<5.2		5.2	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Chloroform	<2.1		2.1	0.72	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Chloromethane	<5.2		5.2	2.1	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
cis-1,2-Dichloroethene	<2.1		2.1	0.58	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
cis-1,3-Dichloropropene	<2.1		2.1	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Dibromochloromethane	<2.1		2.1	0.68	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Ethylbenzene	<2.1		2.1	0.99	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Methyl Ethyl Ketone	**4.6**	**J**	5.2	2.3	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
methyl isobutyl ketone	<5.2		5.2	1.5	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Methyl tert-butyl ether	<2.1		2.1	0.61	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Methylene Chloride	<5.2		5.2	2.0	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Styrene	<2.1		2.1	0.62	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Tetrachloroethene	<2.1		2.1	0.70	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Toluene	<2.1		2.1	0.52	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
trans-1,2-Dichloroethene	<2.1		2.1	0.92	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
trans-1,3-Dichloropropene	<2.1		2.1	0.73	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Trichloroethene	<2.1		2.1	0.70	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Vinyl chloride	<2.1		2.1	0.92	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1
Xylenes, Total	<4.1		4.1	0.66	ug/Kg	☼	01/23/20 16:35	01/31/20 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*01/23/20 16:35*	*01/31/20 05:48*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 131*	*01/23/20 16:35*	*01/31/20 05:48*	*1*
Dibromofluoromethane	*106*		*75 - 126*	*01/23/20 16:35*	*01/31/20 05:48*	*1*
Toluene-d8 (Surr)	*88*		*75 - 124*	*01/23/20 16:35*	*01/31/20 05:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1

Client Sample ID: AL64-4(0-2)-012220
Date Collected: 01/22/20 09:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-14
Matrix: Solid
Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2-Methylnaphthalene	**7.3**	**J**	79	7.2	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2-Methylphenol	<200		200	63	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Acenaphthene	**53**		39	7.1	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Acenaphthylene	**29**	**J**	39	5.2	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Anthracene	**140**		39	6.6	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Benzo[a]anthracene	**590**		39	5.3	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Benzo[a]pyrene	**850**		39	7.6	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Benzo[b]fluoranthene	**1300**		39	8.5	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Benzo[g,h,i]perylene	**310**		39	13	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Benzo[k]fluoranthene	**540**		39	12	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Bis(2-ethylhexyl) phthalate	**170**	**J**	200	72	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Carbazole	<200		200	98	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Chrysene	**760**		39	11	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Dibenz(a,h)anthracene	**97**		39	7.6	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Dibenzofuran	<200		200	46	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Fluoranthene	**1700**		39	7.3	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Fluorene	**64**		39	5.5	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Hexachloroethane	<200		200	60	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Indeno[1,2,3-cd]pyrene	**290**		39	10	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1

Client Sample ID: AL64-4(0-2)-012220

Date Collected: 01/22/20 09:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-14

Matrix: Solid
Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<200		200	44	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Naphthalene	**9.6**	**J**	39	6.0	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Phenanthrene	**790**		39	5.5	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Phenol	<200		200	87	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1
Pyrene	**1600**		39	7.8	ug/Kg	☼	01/30/20 13:29	02/03/20 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*31 - 143*	*01/30/20 13:29*	*02/03/20 19:43*	*1*
2-Fluorobiphenyl	*99*		*43 - 145*	*01/30/20 13:29*	*02/03/20 19:43*	*1*
2-Fluorophenol	*115*		*31 - 166*	*01/30/20 13:29*	*02/03/20 19:43*	*1*
Nitrobenzene-d5	*93*		*37 - 147*	*01/30/20 13:29*	*02/03/20 19:43*	*1*
Phenol-d5	*89*		*30 - 153*	*01/30/20 13:29*	*02/03/20 19:43*	*1*
Terphenyl-d14	*148*		*42 - 157*	*01/30/20 13:29*	*02/03/20 19:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	**4000**		990	370	ug/Kg	☼	01/30/20 13:29	02/03/20 20:11	5

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		01/31/20 15:55	02/03/20 17:39	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		01/31/20 15:55	02/03/20 17:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/31/20 15:55	02/03/20 17:39	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		01/31/20 15:55	02/03/20 17:39	1
Chromium	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:39	1
Cobalt	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:39	1
Copper	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:39	1
Iron	<0.40		0.40	0.20	mg/L		01/31/20 15:55	02/03/20 17:39	1
Lead	**0.012**		0.0075	0.0075	mg/L		01/31/20 15:55	02/03/20 17:39	1
Manganese	**0.87**		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:39	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:39	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:55	02/03/20 17:39	1
Silver	<0.025		0.025	0.010	mg/L		01/31/20 15:55	02/03/20 17:39	1
Zinc	**0.20**	**J B**	0.50	0.020	mg/L		01/31/20 15:55	02/03/20 17:39	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		01/31/20 15:46	02/03/20 15:29	1
Barium	**0.55**		0.50	0.050	mg/L		01/31/20 15:46	02/03/20 15:29	1
Beryllium	**0.0080**		0.0040	0.0040	mg/L		01/31/20 15:46	02/03/20 15:29	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		01/31/20 15:46	02/03/20 15:29	1
Chromium	**0.17**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:29	1
Cobalt	**0.066**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:29	1
Copper	**0.26**		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:29	1
Iron	**160**		0.40	0.20	mg/L		01/31/20 15:46	02/03/20 15:29	1
Lead	**0.73**		0.0075	0.0075	mg/L		01/31/20 15:46	02/03/20 15:29	1

Client Sample ID: AL64-4(0-2)-012220

Date Collected: 01/22/20 09:30
Date Received: 01/23/20 13:23

Lab Sample ID: 500-176787-14

Matrix: Solid
Percent Solids: 83.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	1.8		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:29	1
Nickel	0.19		0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:29	1
Selenium	<0.050		0.050	0.020	mg/L		01/31/20 15:46	02/03/20 15:29	1
Silver	0.010	J	0.025	0.010	mg/L		01/31/20 15:46	02/03/20 15:29	1
Zinc	0.99		0.50	0.020	mg/L		01/31/20 15:46	02/03/20 15:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.61	J	1.2	0.23	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Arsenic	3.7		0.58	0.20	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Barium	46	B	0.58	0.066	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Beryllium	0.59		0.23	0.054	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Cadmium	0.78		0.12	0.021	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Calcium	75000	B	120	20	mg/Kg	☼	01/29/20 06:46	01/31/20 01:42	10
Chromium	30		0.58	0.29	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Cobalt	5.5		0.29	0.076	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Copper	62		0.58	0.16	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Iron	12000		12	6.1	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Lead	88		0.29	0.13	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Magnesium	35000		5.8	2.9	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Manganese	260		0.58	0.084	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Nickel	18		0.58	0.17	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Potassium	1200		29	10	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Selenium	0.42	J	0.58	0.34	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Silver	1.9		0.29	0.075	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Sodium	2100		58	8.6	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Vanadium	19		0.29	0.069	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1
Zinc	160		1.2	0.51	mg/Kg	☼	01/29/20 06:46	01/29/20 20:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 09:32	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.20	0.20	ug/L		02/04/20 10:25	02/05/20 10:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	110		18	6.0	ug/Kg	☼	01/31/20 14:45	02/04/20 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			01/29/20 16:43	1

Definitions/Glossary

Client: Weston Solutions, Inc. Job ID: 500-176787-1
Project/Site: IDOT - Grayslake Park - WO 009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.5

500-176787 COC

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc.
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone: same
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-176787
Chain of Custody Number:
Page 1 of 5
Temperature °C of Cooler: 2.6, 5.7, 4.5, 5.1, 3.7

Client: Weston Solutions, Inc
Client Project #: 02056.016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: [illegible] D. Taylor O.
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
1		AL64-3(0-2)-~~012220~~ 012220	1/22/20	0910	5	S	x	x	x	x	x					
2		AL64-2(0-2)-012220	↓	0900	5	↓	↓	↓	↓	↓	↓					
3		AL64-1(0-2)-012220	↓	0850	6	↓	↓	↓	↓	↓	↓					
4		Trip Blank	1/22/20	—	2	WT	x									

T. Wells 1-22-20

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 ☒ Disposal by Lab ☐ Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	1/22/20	1730	Timothy A. Wells	Weston	1-22-20	1730
Timothy A. Wells	Weston	1-23-20	1137	P. Neal	TA	1/23/20	1137
P. Neal	TA	1/23/20	1323	Shiri Scott	TA-CHI	1/23/20	1323

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

2/5/2020

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: Andris Slesers
Company: Weston Solutions, Inc
Address:
Address:
Phone: 224-864-7201
Fax:
E-Mail:

(optional)
Bill To
Contact: Same
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-176787
Chain of Custody Number:
Page 2 of 5
Temperature °C of Cooler:

Client: Weston Solutions, Inc.
Client Project #: 02056-016.009
Project Name: IDOT Grayslake, IL
Project Location/State: Grayslake, IL
Lab Project #:
Sampler: Alex D + Taylor O.
Lab PM: Richard Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
5		AL45-4(6-6)-012220	1/22/20	1015	5	S	x	x	x	x	x					
6		AL45-4(6-12)-012220		1020	5											
7		AL45-4(6-12)-012220D		1020	5											
8		AL45-4-012220		1030	6	WT	x	x	x	x		NO pH				pH analysis not required
9		AL45-4-012220D		1030	6	WT	x	x	x	x						pH analysis not required
10		AL45-4(12-18)-012220		1035	5	S	x	x	x	x	x					
11		AL45-3(0-4)-012220		1005	5											
12		AL45-2(0-2)-012220		0950	5											
13		AL45-1(0-2)-012220		0940	5											
14		~~AL45~~ AL64-4(0-2)-012220		0930	5											

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
[signature]	Weston	1/22/20	1730	[signature]	Weston	1-22-20	1730
[signature]	Weston	1-23-20	1137	[signature]	TA	1/23/20	1137
[signature]	TA	1/23/20	1323	[signature]	TA-CHI	1/23/20	1323

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
NO pH for AL45-4-012220 and AL45-4-012220D

Lab Comments:

TAL-4124-500 (1209)

2/5/2020