Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island Ave Office Phone Number, if available: _____

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

17900 Harper Avenue (ISGS Site No. 997V2-7)

City: Lansing State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.569988137 (Decimal Degrees) Longitude: -87.577114102 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island

Latitude: 41.569988137 Longitude: -87.577114102

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS MM-2 THROUGH MM-5, MM-7, AND MM-9 THROUGH MM-14 WERE SAMPLED ADJACENT TO ISGS SITE No. 997V2-7. SEE FIGURES 3-1 THROUGH 3-3 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-100116-1, 500-100117-1 AND 500-100183-1.
ALSO SEE FIGURES 4-1 THROUGH 4-3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

16 Dec. 2015
Date:

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

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

Summary Table of ISGS Site No. 997V2-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	MM-2(0-6)-081915	MM-3(0-6)-081915	MM-4(0-6)-081915	MM-4(0-6)-081915D	MM-5(0-6)-081915	**Soil Reference Concentrations[A]**
Sample Date	8/19/2015	8/19/2015	8/19/2015	8/19/2015	8/19/2015	
Location ID	MM-2	MM-3	MM-4	MM-4	MM-5	
Depth	0 - 6	0 - 6	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-7	997V2-7	997V2-7	997V2-7	997V2-7	
Parameter						
Laboratory pH (s.u.)	8.78	8.98	8.86	8.88	8.99	<6.25, >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
SVOCs (ug/kg)						
2-Methylnaphthalene	24 J	ND	7.2 J	ND	ND	---
Acenaphthene	ND	ND	9.3 J	ND	ND	570000
Anthracene	28 J	26 J	26 J	40	30 J	1.20E+07
Benzo(a)anthracene	150	28 J	83	54	78	900 / 1100 / 1800
Benzo(a)pyrene	85	29 J	78	75	120	90 / 1300 / 2100
Benzo(b)fluoranthene	200	66	170	130	94	900 / 1500 /2100
Benzo(g,h,i)perylene	93	18 J	52	42	56 J-	---
Benzo(k)fluoranthene	54	11 J	ND	58	120	9000
Chrysene	100	35	70	98	85	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	28 J	90 / 200 / 420
Fluoranthene	100	67	70 J	140 J	120	3100000
Fluorene	ND	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	93	46	58	76	68 J	900 / 900 / 1600
Naphthalene, SVOC	39	ND	ND	ND	ND	1800
Phenanthrene	84	41	66	100	85	---
Pyrene	220	47	120	100	120	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	ND	ND	5
Arsenic, Total	2.8 J	2.3 J	2.8 J	3 J	4.2	11.3 / 13
Barium, Total	2.9	8.9	12	16	18	1500
Beryllium, Total	0.086 J	0.15 J	0.16 J	0.17 J	0.23	22
Cadmium, Total	0.046 J	0.11	0.17	0.2	0.19	5.2
Calcium, Total	220 J	15000 J	21000 J	32000 J	28000	---
Chromium, Total	2.8	5.8	6.2	6.4	5.4	21
Cobalt, Total	1.4	1.5	1.5	1.7	2.1	20
Copper, Total	2.3 J	4 J	5.9 J	6.8 J	6.1	2900
Iron, Total	2900 J+	3700 J+	4200 J+	4400 J+	6000	15000 / 15900
Lead, Total	2.8 B	26 B	29 B	30 B	42	107
Magnesium, Total	410 J	9200 J	13000 J	19000 J	17000	325000
Manganese, Total	21 J	72 J	100 J	110 J	83	630 / 636
Mercury, Total	0.016 J	0.015 J	0.014 J	0.014 J	0.015 J	0.89
Nickel, Total	2.8 J	3.4 J	3.5 J	4 J	4.9	100
Potassium, Total	150 J+	250 J+	330 J+	400 J+	390	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Sodium, Total	150 J	390 J	270 J	320 J	470	---
Thallium, Total	ND	ND	ND	ND	0.29 J	2.6
Vanadium, Total	6.2	8.4	7.7	8	11	550
Zinc, Total	7	21	26	28	38 B	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.14 J	0.16 J	0.23 J	0.23 J	0.24 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.0041 J	ND	ND	0.0034 J	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	0.01 J	ND	0.65
Iron, TCLP	0.23	ND	ND	ND	ND	5
Lead, TCLP	0.036	0.097	0.013	0.0083	0.043	0.0075
Manganese, TCLP	0.34	0.55	0.89	0.79	0.55	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	0.021 J	ND	ND	ND	ND	0.05
Zinc, TCLP	0.11	0.15	0.13 J	0.45 J	0.13	5

Summary Table of ISGS Site No. 997V2-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	MM-2(0-6)-081915	MM-3(0-6)-081915	MM-4(0-6)-081915	MM-4(0-6)-081915D	MM-5(0-6)-081915	**Soil Reference Concentrations[A]**
Sample Date	8/19/2015	8/19/2015	8/19/2015	8/19/2015	8/19/2015	
Location ID	MM-2	MM-3	MM-4	MM-4	MM-5	
Depth	0 - 6	0 - 6	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-7	997V2-7	997V2-7	997V2-7	997V2-7	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.062 J	0.059 J	0.1 J	0.072 J	0.065 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	0.017 J	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	0.011 J	ND	0.02 J	0.011 J	ND	0.65
Iron, SPLP	0.52	ND	8 J	0.89 J	2.2	5
Lead, SPLP	0.025	0.015	0.042 J	0.012 J	0.026	0.0075
Manganese, SPLP	0.021 J	ND	0.11 J	0.02 J	0.022 J	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.085 J	0.11	0.14	0.11	0.29 J	5

Summary Table of ISGS Site No. 997V2-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	MM-7(0-6)-081915	MM-9(0-6)-081915	MM-9(6-7.5)-081915	MM-10(0-6)-082015	MM-11(0-6)-082015	**Soil Reference Concentrations[A]**
Sample Date	8/19/2015	8/19/2015	8/19/2015	8/20/2015	8/20/2015	
Location ID	MM-7	MM-9	MM-9	MM-10	MM-11	
Depth	0 - 6	0 - 6	6 - 7.5	0 - 6	0 - 6	
ISGS Site No.	997V2-7	997V2-7	997V2-7	997V2-7	997V2-7	
Parameter						
Laboratory pH (s.u.)	8.71	8.82	8.43	8.38	8.93	<6.25, >9.0
VOCs (ug/kg)						
Acetone	110	ND	ND	ND	ND	25000
Methyl ethyl ketone	13	ND	ND	ND	ND	---
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	ND	ND	15 J	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Anthracene	ND	36	ND	ND	ND	1.20E+07
Benzo(a)anthracene	22 J	90	ND	7.5 J	17 J	900 / 1100 / 1800
Benzo(a)pyrene	26 J	120	ND	7.4 J	21 J	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	150	22 J	14 J	35	900 / 1500 /2100
Benzo(g,h,i)perylene	ND	47	ND	12 J	16 J	---
Benzo(k)fluoranthene	ND	110	ND	ND	20 J	9000
Chrysene	22 J	100	ND	9.8 J	22 J	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	90 / 200 / 420
Fluoranthene	43	170	31 J	9.8 J	30 J	3100000
Fluorene	ND	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	39	82	ND	ND	10 J	900 / 900 / 1600
Naphthalene, SVOC	ND	32 J	ND	9.4 J	ND	1800
Phenanthrene	35	64	28 J	17 J	14 J	---
Pyrene	25 J	150	ND	18 J	38	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	0.23 J	ND	5
Arsenic, Total	2.1	3.1	2.4	2.4	3.6	11.3 / 13
Barium, Total	13	25	9.8	8.2	6.8	1500
Beryllium, Total	0.16 J	0.41	0.12 J	0.16 J	0.15 J	22
Cadmium, Total	0.078 J	0.19	ND	0.1	0.1 J	5.2
Calcium, Total	18000	45000	1700	7100 B	9200 B	---
Chromium, Total	4	10	4.2	3.5	3.8	21
Cobalt, Total	1.3	1.7	1.8	1.5	2.1	20
Copper, Total	3.2	8.7	2.8	2.3	3.2	2900
Iron, Total	3700	5700	3800	3700	3800	15000 / 15900
Lead, Total	12	34	3.4	4.8	6.2	107
Magnesium, Total	11000	26000	1300	4500	5800	325000
Manganese, Total	54	350	28	29	51	630 / 636
Mercury, Total	0.006 J	0.016	0.016 J	0.011 J	0.0085 J	0.89
Nickel, Total	3.2	4.1	3.7	3.3	4	100
Potassium, Total	310	540	260	240	260	---
Selenium, Total	ND	ND	ND	0.4 J	ND	1.3
Sodium, Total	430	280	130	830	490	---
Thallium, Total	0.35 J	0.62	ND	ND	ND	2.6
Vanadium, Total	7	10	8.3	7.7	7.2	550
Zinc, Total	18 B	76 B	11 B	14 B	17 B	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.25 J	0.3 J	0.16 J	0.071 J	0.066 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0022 J	0.0043 J	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	0.51	ND	ND	ND	ND	5
Lead, TCLP	0.0075	0.024	ND	ND	ND	0.0075
Manganese, TCLP	0.84	1.3	0.078	0.33	0.42	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.13	0.88	0.066 J	0.025 J	0.36	5

Summary Table of ISGS Site No. 997V2-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	MM-7(0-6)-081915	MM-9(0-6)-081915	MM-9(6-7.5)-081915	MM-10(0-6)-082015	MM-11(0-6)-082015	**Soil Reference Concentrations[A]**
Sample Date	8/19/2015	8/19/2015	8/19/2015	8/20/2015	8/20/2015	
Location ID	MM-7	MM-9	MM-9	MM-10	MM-11	
Depth	0 - 6	0 - 6	6 - 7.5	0 - 6	0 - 6	
ISGS Site No.	997V2-7	997V2-7	997V2-7	997V2-7	997V2-7	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.071 J	0.13 J	0.06 J	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	0.031	ND	ND	0.012 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	0.025	ND	ND	0.015 J	0.65
Iron, SPLP	0.69	16	ND	1.5	5.4	5
Lead, SPLP	ND	0.065	ND	ND	0.011	0.0075
Manganese, SPLP	0.044	0.16	ND	0.014 J	0.059	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	0.019 J	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.073 J	0.24 J	0.1 J	0.062 J	0.083 J	5

Summary Table of ISGS Site No. 997V2-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	MM-12(0-6)-082015	MM-13(0-6)-082015	MM-13(0-6)-082015D	MM-14(0-6)-082015	**Soil Reference Concentrations[A]**
Sample Date	8/20/2015	8/20/2015	8/20/2015	8/20/2015	
Location ID	MM-12	MM-13	MM-13	MM-14	
Depth	0 - 6	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-7	997V2-7	997V2-7	997V2-7	
Parameter					
Laboratory pH (s.u.)	8.53	8.36	8.49	8.97	<6.25, >9.0
VOCs (ug/kg)					
Acetone	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	---
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	220	570000
Anthracene	8.6 J	ND	ND	330	1.20E+07
Benzo(a)anthracene	54	ND	ND	730	900 / 1100 / 1800
Benzo(a)pyrene	55	ND	ND	540	90 / 1300 / 2100
Benzo(b)fluoranthene	100	ND	ND	860	900 / 1500 /2100
Benzo(g,h,i)perylene	23 J	ND	ND	150 J	---
Benzo(k)fluoranthene	49	ND	ND	330	9000
Chrysene	61	ND	ND	760	88000
Dibenzo(a,h)anthracene	ND	ND	ND	72 J	90 / 200 / 420
Fluoranthene	110	ND	ND	1500	3100000
Fluorene	ND	ND	ND	190	560000
Indeno(1,2,3-cd)pyrene	24 J	ND	ND	210	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	44 J	1800
Phenanthrene	57	ND	ND	1400	---
Pyrene	120	ND	ND	1200	2300000
Total Metals (mg/kg)					
Antimony, Total	ND	ND	ND	0.36 J	5
Arsenic, Total	3	3	2.9	2.8	11.3 / 13
Barium, Total	9.8	7.9	11	19	1500
Beryllium, Total	0.19 J	0.14 J	0.16 J	0.22	22
Cadmium, Total	0.15	0.069 J	0.082 J	0.17	5.2
Calcium, Total	8300 B	1700 B	1800 B	13000 B	---
Chromium, Total	4.2	3.4	3.5	4.2	21
Cobalt, Total	1.9	1.6	1.6	1.7	20
Copper, Total	4	2.1	2.3	4.8	2900
Iron, Total	4100	3700	4000	4600	15000 / 15900
Lead, Total	16	3.5	3.7	15	107
Magnesium, Total	5000	1200	1300	7800	325000
Manganese, Total	60	28	36	58	630 / 636
Mercury, Total	0.015 J	ND	0.018	0.017 J	0.89
Nickel, Total	4.2	3.4	3.2	4	100
Potassium, Total	270	200	200	300	---
Selenium, Total	ND	0.26 J	ND	ND	1.3
Sodium, Total	550	440	450	520	---
Thallium, Total	ND	ND	ND	ND	2.6
Vanadium, Total	7.5	8.1	8.4	8.3	550
Zinc, Total	27 B	11 B	13 B	25 B	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.11 J	0.13 J	0.12 J	0.18 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	0.009	ND	ND	ND	0.0075
Manganese, TCLP	0.64	0.2	0.22	0.55	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.055 J	0.029 J	0.13	0.028 J	5

Summary Table of ISGS Site No. 997V2-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	MM-12(0-6)-082015	MM-13(0-6)-082015	MM-13(0-6)-082015D	MM-14(0-6)-082015	**Soil Reference Concentrations[A]**
Sample Date	8/20/2015	8/20/2015	8/20/2015	8/20/2015	
Location ID	MM-12	MM-13	MM-13	MM-14	
Depth	0 - 6	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-7	997V2-7	997V2-7	997V2-7	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	ND	ND	0.05
Barium, SPLP	0.06 J	ND	ND	0.14 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.015 J	ND	ND	0.023 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	1
Copper, SPLP	0.019 J	ND	ND	0.026	0.65
Iron, SPLP	6.4	8	8.4	13	5
Lead, SPLP	0.048	0.0093	0.012	0.059	0.0075
Manganese, SPLP	0.091	0.049	0.054	0.14	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	0.013 J	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.14	3.9 J	0.04 J	0.2	5

Notes:

--- - not applicable or value not available.

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

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-100116-1
Client Project/Site: IDOT - Lansing - WO 026

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

Attn: Mr. S. Babusukumar

Authorized for release by:
8/31/2015 2:45:32 PM

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

Client Sample ID: MM-2(0-6)-081915
Date Collected: 08/19/15 12:42
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-17
Matrix: Solid
Percent Solids: 90.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/26/15 04:58	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		08/26/15 04:58	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		08/26/15 04:58	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 04:58	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 04:58	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 04:58	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		08/26/15 04:58	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 04:58	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		08/26/15 04:58	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 04:58	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 04:58	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 04:58	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 04:58	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		08/26/15 04:58	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 04:58	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/26/15 04:58	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 04:58	1
1,2-Dichloropropane	<5.5		5.5	1.5	ug/Kg	☼		08/26/15 04:58	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		08/26/15 04:58	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		08/26/15 04:58	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		08/26/15 04:58	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		08/26/15 04:58	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 04:58	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 04:58	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 04:58	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 04:58	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		08/26/15 04:58	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	☼		08/26/15 04:58	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		08/26/15 04:58	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		08/26/15 04:58	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		08/26/15 04:58	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 04:58	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 04:58	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		08/26/15 04:58	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 04:58	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 122*		*08/26/15 04:58*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*08/26/15 04:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*		*08/26/15 04:58*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/26/15 04:58*	*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	38	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1

Client Sample ID: MM-2(0-6)-081915
Date Collected: 08/19/15 12:42
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-17
Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2,4-Dinitrophenol	<720	*	720	630	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2-Methylnaphthalene	**24**	**J**	35	6.5	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
4,6-Dinitro-2-methylphenol	<350	*	350	290	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Anthracene	**28**	**J**	35	5.9	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Benzo[a]anthracene	**150**		35	4.8	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Benzo[a]pyrene	**85**		35	6.9	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Benzo[b]fluoranthene	**200**		35	7.7	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Benzo[g,h,i]perylene	**93**		35	11	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Benzo[k]fluoranthene	**54**		35	10	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Carbazole	<180		180	89	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Chrysene	**100**		35	9.7	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Fluoranthene	**100**		35	6.6	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Hexachlorobenzene	<72		72	8.2	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1

Client Sample ID: MM-2(0-6)-081915
Date Collected: 08/19/15 12:42
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-17
Matrix: Solid
Percent Solids: 90.3

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	**93**		35	9.2	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Isophorone	<180		180	40	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Naphthalene	**39**		35	5.5	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Phenanthrene	**84**		35	4.9	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Phenol	<180		180	79	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1
Pyrene	**220**		35	7.1	ug/Kg	☼	08/25/15 17:33	08/29/15 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*152*	*X*	*35 - 137*	*08/25/15 17:33*	*08/29/15 20:03*	*1*
2-Fluorobiphenyl	*84*		*25 - 119*	*08/25/15 17:33*	*08/29/15 20:03*	*1*
2-Fluorophenol	*78*		*25 - 110*	*08/25/15 17:33*	*08/29/15 20:03*	*1*
Nitrobenzene-d5	*73*		*25 - 115*	*08/25/15 17:33*	*08/29/15 20:03*	*1*
Phenol-d5	*69*		*31 - 110*	*08/25/15 17:33*	*08/29/15 20:03*	*1*
Terphenyl-d14	*285*	*X*	*36 - 134*	*08/25/15 17:33*	*08/29/15 20:03*	*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		08/25/15 10:00	08/25/15 20:12	1
Barium	**0.14**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 20:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 20:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 20:12	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:07	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:12	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:12	1
Iron	**0.23**		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 14:07	1
Lead	**0.036**		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 20:12	1
Manganese	**0.34**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:07	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:12	1
Selenium	**0.021**	**J**	0.050	0.020	mg/L		08/25/15 10:00	08/25/15 20:12	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:12	1
Zinc	**0.11**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 14:07	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		08/25/15 11:00	08/25/15 22:38	1
Barium	**0.062**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 22:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 22:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 22:38	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:38	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:38	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:38	1
Iron	**0.52**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 22:38	1
Lead	**0.025**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 22:38	1
Manganese	**0.021**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:38	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:38	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 22:38	1

Client Sample ID: MM-2(0-6)-081915
Date Collected: 08/19/15 12:42
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-17
Matrix: Solid
Percent Solids: 90.3

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		08/25/15 11:00	08/25/15 22:38	1
Zinc	**0.085**	**J**	0.10	0.020	mg/L		08/25/15 11:00	08/25/15 22:38	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	☼	08/21/15 11:00	08/21/15 22:18	1
Arsenic	**2.8**		0.53	0.24	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Barium	**2.9**		0.53	0.097	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Beryllium	**0.086**	**J**	0.21	0.046	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Cadmium	**0.046**	**J**	0.11	0.031	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Calcium	**220**		11	3.4	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Chromium	**2.8**		0.53	0.091	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Cobalt	**1.4**		0.26	0.060	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Copper	**2.3**		0.53	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Iron	**2900**		11	4.1	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Lead	**2.8**	**B**	0.26	0.13	mg/Kg	☼	08/21/15 11:00	08/24/15 20:33	1
Magnesium	**410**		5.3	2.2	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Manganese	**21**		0.53	0.10	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Nickel	**2.8**		0.53	0.14	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Potassium	**150**		26	4.3	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Silver	<0.26		0.26	0.062	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Sodium	**150**		53	7.0	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Vanadium	**6.2**		0.26	0.077	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	1
Zinc	**7.0**		1.1	0.34	mg/Kg	☼	08/21/15 11:00	08/21/15 22:18	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		08/25/15 18:00	08/26/15 14:12	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		08/25/15 18:00	08/26/15 16:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	18	6.3	ug/Kg	☼	08/25/15 16:30	08/26/15 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.78**		0.200	0.200	SU			08/24/15 15:57	1

Client Sample ID: MM-3(0-6)-081915
Date Collected: 08/19/15 12:53
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-18
Matrix: Solid
Percent Solids: 92.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		08/26/15 05:22	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 05:22	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	☼		08/26/15 05:22	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 05:22	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼		08/26/15 05:22	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		08/26/15 05:22	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 05:22	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 05:22	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		08/26/15 05:22	1
Chloroform	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 05:22	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 05:22	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 05:22	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 05:22	1
Dibromochloromethane	<5.4		5.4	0.62	ug/Kg	☼		08/26/15 05:22	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 05:22	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		08/26/15 05:22	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		08/26/15 05:22	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		08/26/15 05:22	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		08/26/15 05:22	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 05:22	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		08/26/15 05:22	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		08/26/15 05:22	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		08/26/15 05:22	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 05:22	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 05:22	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 05:22	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.86	ug/Kg	☼		08/26/15 05:22	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 05:22	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		08/26/15 05:22	1
trans-1,2-Dichloroethene	<5.4		5.4	1.4	ug/Kg	☼		08/26/15 05:22	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		08/26/15 05:22	1
1,1,1-Trichloroethane	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 05:22	1
1,1,2-Trichloroethane	<5.4		5.4	1.0	ug/Kg	☼		08/26/15 05:22	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	☼		08/26/15 05:22	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 05:22	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*08/26/15 05:22*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*08/26/15 05:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*08/26/15 05:22*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/26/15 05:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	37	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1

Client Sample ID: MM-3(0-6)-081915
Date Collected: 08/19/15 12:53
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-18
Matrix: Solid
Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	78	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2,4-Dinitrophenol	<690	*	690	610	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2-Methylnaphthalene	<34		34	6.3	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2-Methylphenol	<170		170	55	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
4,6-Dinitro-2-methylphenol	<340	*	340	280	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
4-Nitrophenol	<690		690	330	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Anthracene	**26**	**J**	34	5.7	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Benzo[a]anthracene	**28**	**J**	34	4.6	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Benzo[a]pyrene	**29**	**J**	34	6.7	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Benzo[b]fluoranthene	**66**		34	7.4	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Benzo[g,h,i]perylene	**18**	**J**	34	11	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Benzo[k]fluoranthene	**11**	**J**	34	10	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Carbazole	<170		170	86	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Chrysene	**35**		34	9.4	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Dibenz(a,h)anthracene	<34		34	6.6	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Dibenzofuran	<170		170	40	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Fluoranthene	**67**		34	6.4	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Fluorene	<34		34	4.8	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Hexachlorobenzene	<69		69	8.0	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Hexachloroethane	<170		170	52	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1

Client Sample ID: MM-3(0-6)-081915
Date Collected: 08/19/15 12:53
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-18
Matrix: Solid
Percent Solids: 92.2

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	**46**		34	8.9	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Isophorone	<170		170	39	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Naphthalene	<34		34	5.3	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Phenanthrene	**41**		34	4.8	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Phenol	<170		170	76	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1
Pyrene	**47**		34	6.8	ug/Kg	☼	08/25/15 17:33	08/29/15 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*151*	*X*	*35 - 137*	*08/25/15 17:33*	*08/29/15 18:42*	*1*
2-Fluorobiphenyl	*95*		*25 - 119*	*08/25/15 17:33*	*08/29/15 18:42*	*1*
2-Fluorophenol	*100*		*25 - 110*	*08/25/15 17:33*	*08/29/15 18:42*	*1*
Nitrobenzene-d5	*82*		*25 - 115*	*08/25/15 17:33*	*08/29/15 18:42*	*1*
Phenol-d5	*94*		*31 - 110*	*08/25/15 17:33*	*08/29/15 18:42*	*1*
Terphenyl-d14	*128*		*36 - 134*	*08/25/15 17:33*	*08/29/15 18:42*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/15 10:00	08/26/15 14:11	1
Barium	**0.16**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/26/15 14:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/26/15 14:11	1
Cadmium	**0.0041**	**J**	0.0050	0.0020	mg/L		08/25/15 10:00	08/26/15 14:11	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:11	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:11	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:11	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 14:11	1
Lead	**0.097**		0.0075	0.0075	mg/L		08/25/15 10:00	08/26/15 14:11	1
Manganese	**0.55**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:11	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:11	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/26/15 14:11	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:11	1
Zinc	**0.15**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 14:11	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		08/25/15 11:00	08/25/15 22:44	1
Barium	**0.059**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 22:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 22:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 22:44	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:44	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:44	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:44	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 22:44	1
Lead	**0.015**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 22:44	1
Manganese	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:44	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:44	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 22:44	1

Client Sample ID: MM-3(0-6)-081915
Date Collected: 08/19/15 12:53
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-18
Matrix: Solid
Percent Solids: 92.2

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		08/25/15 11:00	08/25/15 22:44	1
Zinc	**0.11**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 22:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Arsenic	**2.3**		0.50	0.23	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Barium	**8.9**		0.50	0.091	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Beryllium	**0.15**	**J**	0.20	0.043	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Cadmium	**0.11**		0.10	0.029	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Calcium	**15000**		10	3.2	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Chromium	**5.8**		0.50	0.086	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Cobalt	**1.5**		0.25	0.056	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Copper	**4.0**		0.50	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Iron	**3700**		10	3.9	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Lead	**26**	**B**	0.25	0.12	mg/Kg	☼	08/21/15 11:00	08/24/15 20:45	1
Magnesium	**9200**		5.0	2.0	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Manganese	**72**		0.50	0.099	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Nickel	**3.4**		0.50	0.14	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Potassium	**250**		25	4.1	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Selenium	<0.50		0.50	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Silver	<0.25		0.25	0.058	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Sodium	**390**		50	6.6	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Vanadium	**8.4**		0.25	0.073	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	1
Zinc	**21**		1.0	0.32	mg/Kg	☼	08/21/15 11:00	08/21/15 22:25	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		08/25/15 18:00	08/26/15 14:14	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		08/25/15 18:00	08/26/15 16:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15**	**J**	18	6.3	ug/Kg	☼	08/25/15 16:30	08/26/15 10:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.98**		0.200	0.200	SU			08/24/15 16:06	1

Client Sample ID: MM-4(0-6)-081915
Date Collected: 08/19/15 13:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-19
Matrix: Solid
Percent Solids: 89.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/26/15 05:46	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 05:46	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		08/26/15 05:46	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 05:46	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		08/26/15 05:46	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		08/26/15 05:46	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 05:46	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 05:46	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		08/26/15 05:46	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 05:46	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 05:46	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 05:46	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 05:46	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		08/26/15 05:46	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 05:46	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/26/15 05:46	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		08/26/15 05:46	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		08/26/15 05:46	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		08/26/15 05:46	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		08/26/15 05:46	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		08/26/15 05:46	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		08/26/15 05:46	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		08/26/15 05:46	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 05:46	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 05:46	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 05:46	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		08/26/15 05:46	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 05:46	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		08/26/15 05:46	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		08/26/15 05:46	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		08/26/15 05:46	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 05:46	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 05:46	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		08/26/15 05:46	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 05:46	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		08/26/15 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*08/26/15 05:46*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*08/26/15 05:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*		*08/26/15 05:46*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*08/26/15 05:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1

Client Sample ID: MM-4(0-6)-081915
Date Collected: 08/19/15 13:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-19
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	<350		350	81	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2,4-Dinitrophenol	<720	*	720	630	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2-Methylnaphthalene	**7.2**	**J**	35	6.5	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
4,6-Dinitro-2-methylphenol	<350	*	350	290	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Acenaphthene	**9.3**	**J**	35	6.4	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Anthracene	**26**	**J**	35	5.9	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Benzo[a]anthracene	**83**		35	4.8	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Benzo[a]pyrene	**78**		35	6.9	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Benzo[b]fluoranthene	**170**		35	7.7	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Benzo[g,h,i]perylene	**52**		35	11	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Carbazole	<180		180	89	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Chrysene	**70**		35	9.7	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Fluoranthene	**70**		35	6.6	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Hexachlorobenzene	<72		72	8.2	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1

Client Sample ID: MM-4(0-6)-081915
Date Collected: 08/19/15 13:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-19
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	**58**		35	9.2	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Isophorone	<180		180	40	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Naphthalene	<35		35	5.5	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Phenanthrene	**66**		35	5.0	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Phenol	<180		180	79	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1
Pyrene	**120**		35	7.1	ug/Kg	☼	08/25/15 17:33	08/29/15 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*133*		*35 - 137*	*08/25/15 17:33*	*08/29/15 19:09*	*1*
2-Fluorobiphenyl	*99*		*25 - 119*	*08/25/15 17:33*	*08/29/15 19:09*	*1*
2-Fluorophenol	*95*		*25 - 110*	*08/25/15 17:33*	*08/29/15 19:09*	*1*
Nitrobenzene-d5	*85*		*25 - 115*	*08/25/15 17:33*	*08/29/15 19:09*	*1*
Phenol-d5	*86*		*31 - 110*	*08/25/15 17:33*	*08/29/15 19:09*	*1*
Terphenyl-d14	*150*	*X*	*36 - 134*	*08/25/15 17:33*	*08/29/15 19:09*	*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		08/25/15 10:00	08/25/15 20:22	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 20:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 20:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 20:22	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:16	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:22	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:22	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 14:16	1
Lead	**0.013**		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 20:22	1
Manganese	**0.89**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:16	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:22	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 20:22	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:22	1
Zinc	**0.13**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 14:16	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		08/25/15 11:00	08/25/15 22:51	1
Barium	**0.10**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 22:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 22:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 22:51	1
Chromium	**0.017**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:51	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:51	1
Copper	**0.020**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:51	1
Iron	**8.0**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 22:51	1
Lead	**0.042**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 22:51	1
Manganese	**0.11**		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:51	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:51	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 22:51	1

Client Sample ID: MM-4(0-6)-081915
Date Collected: 08/19/15 13:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-19
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		08/25/15 11:00	08/25/15 22:51	1
Zinc	**0.14**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 22:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Arsenic	**2.8**		0.52	0.24	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Barium	**12**		0.52	0.094	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Beryllium	**0.16**	**J**	0.21	0.045	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Cadmium	**0.17**		0.10	0.030	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Calcium	**21000**		10	3.3	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Chromium	**6.2**		0.52	0.089	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Cobalt	**1.5**		0.26	0.058	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Copper	**5.9**		0.52	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Iron	**4200**		10	4.0	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Lead	**29**	**B**	0.26	0.13	mg/Kg	☼	08/21/15 11:00	08/24/15 20:49	1
Magnesium	**13000**		5.2	2.1	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Manganese	**100**		0.52	0.10	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Nickel	**3.5**		0.52	0.14	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Potassium	**330**		26	4.2	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Selenium	<0.52		0.52	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Sodium	**270**		52	6.8	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Thallium	<0.52		0.52	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Vanadium	**7.7**		0.26	0.075	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	1
Zinc	**26**		1.0	0.33	mg/Kg	☼	08/21/15 11:00	08/21/15 22:32	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		08/25/15 18:00	08/26/15 14:16	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		08/25/15 18:00	08/26/15 16:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**14**	**J**	18	6.2	ug/Kg	☼	08/25/15 16:30	08/26/15 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.86**		0.200	0.200	SU			08/24/15 16:11	1

Client Sample ID: MM-4(0-6)-081915D
Date Collected: 08/19/15 13:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-20
Matrix: Solid
Percent Solids: 89.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/26/15 06:10	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 06:10	1
Bromodichloromethane	<5.6		5.6	0.94	ug/Kg	☼		08/26/15 06:10	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 06:10	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		08/26/15 06:10	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		08/26/15 06:10	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 06:10	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 06:10	1
Chloroethane	<5.6		5.6	2.3	ug/Kg	☼		08/26/15 06:10	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 06:10	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 06:10	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 06:10	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 06:10	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		08/26/15 06:10	1
1,1-Dichloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 06:10	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/26/15 06:10	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		08/26/15 06:10	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		08/26/15 06:10	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		08/26/15 06:10	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		08/26/15 06:10	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		08/26/15 06:10	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		08/26/15 06:10	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		08/26/15 06:10	1
methyl isobutyl ketone	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 06:10	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 06:10	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 06:10	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		08/26/15 06:10	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 06:10	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		08/26/15 06:10	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		08/26/15 06:10	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		08/26/15 06:10	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 06:10	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 06:10	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		08/26/15 06:10	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 06:10	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		08/26/15 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*		*08/26/15 06:10*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/26/15 06:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*08/26/15 06:10*	*1*
Toluene-d8 (Surr)	*92*		*75 - 122*		*08/26/15 06:10*	*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	☼	08/25/15 17:33	08/29/15 19:36	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1

Client Sample ID: MM-4(0-6)-081915D
Date Collected: 08/19/15 13:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-20
Matrix: Solid
Percent Solids: 89.6

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	☼	08/25/15 17:33	08/29/15 19:36	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2,4-Dinitrophenol	<720	*	720	630	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
4,6-Dinitro-2-methylphenol	<360	*	360	290	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Anthracene	**40**		36	6.0	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Benzo[a]anthracene	**54**		36	4.8	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Benzo[a]pyrene	**75**		36	6.9	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Benzo[b]fluoranthene	**130**		36	7.7	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Benzo[g,h,i]perylene	**42**		36	12	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Benzo[k]fluoranthene	**58**		36	11	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Carbazole	<180		180	89	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Chrysene	**98**		36	9.8	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Dibenz(a,h)anthracene	<36		36	6.9	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Fluoranthene	**140**		36	6.6	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Fluorene	<36		36	5.0	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1

Client Sample ID: MM-4(0-6)-081915D
Date Collected: 08/19/15 13:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-20
Matrix: Solid
Percent Solids: 89.6

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	**76**		36	9.3	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Isophorone	<180		180	40	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Naphthalene	<36		36	5.5	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Phenanthrene	**100**		36	5.0	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Phenol	<180		180	80	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1
Pyrene	**100**		36	7.1	ug/Kg	☼	08/25/15 17:33	08/29/15 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*108*		*35 - 137*	*08/25/15 17:33*	*08/29/15 19:36*	*1*
2-Fluorobiphenyl	*83*		*25 - 119*	*08/25/15 17:33*	*08/29/15 19:36*	*1*
2-Fluorophenol	*69*		*25 - 110*	*08/25/15 17:33*	*08/29/15 19:36*	*1*
Nitrobenzene-d5	*55*		*25 - 115*	*08/25/15 17:33*	*08/29/15 19:36*	*1*
Phenol-d5	*60*		*31 - 110*	*08/25/15 17:33*	*08/29/15 19:36*	*1*
Terphenyl-d14	*142*	*X*	*36 - 134*	*08/25/15 17:33*	*08/29/15 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		08/25/15 10:00	08/25/15 20:27	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 20:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 20:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 20:27	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:20	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:27	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:27	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 14:20	1
Lead	**0.0083**		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 20:27	1
Manganese	**0.79**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 14:20	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:27	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 20:27	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 20:27	1
Zinc	**0.45**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 14:20	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		08/25/15 11:00	08/25/15 22:58	1
Barium	**0.072**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 22:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 22:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 22:58	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:58	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:58	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:58	1
Iron	**0.89**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 22:58	1
Lead	**0.012**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 22:58	1
Manganese	**0.020**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:58	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:58	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 22:58	1

Client Sample ID: MM-4(0-6)-081915D
Date Collected: 08/19/15 13:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-20
Matrix: Solid
Percent Solids: 89.6

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		08/25/15 11:00	08/25/15 22:58	1
Zinc	**0.11**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 22:58	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	☼	08/21/15 11:00	08/21/15 22:38	1
Arsenic	**3.0**		0.53	0.24	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Barium	**16**		0.53	0.097	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Beryllium	**0.17**	**J**	0.21	0.046	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Cadmium	**0.20**		0.11	0.031	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Calcium	**32000**		11	3.4	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Chromium	**6.4**		0.53	0.091	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Cobalt	**1.7**		0.26	0.060	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Copper	**6.8**		0.53	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Iron	**4400**		11	4.1	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Lead	**30**	**B**	0.26	0.13	mg/Kg	☼	08/21/15 11:00	08/24/15 20:54	1
Magnesium	**19000**		5.3	2.1	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Manganese	**110**		0.53	0.10	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Nickel	**4.0**		0.53	0.14	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Potassium	**400**		26	4.3	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Silver	<0.26		0.26	0.062	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Sodium	**320**		53	7.0	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Vanadium	**8.0**		0.26	0.077	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	1
Zinc	**28**		1.1	0.33	mg/Kg	☼	08/21/15 11:00	08/21/15 22:38	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		08/25/15 18:00	08/26/15 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/25/15 18:00	08/26/15 16:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**14**	**J**	17	5.9	ug/Kg	☼	08/25/15 16:30	08/26/15 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.88**		0.200	0.200	SU			08/24/15 16:15	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.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100116-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL
2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-100116 COC

Chain of Custody Record

Lab Job #: 500-100116

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.4, 2.9

Report To (optional)	Bill To (optional)
Contact: S. Babusukumar	Contact: SAME
Company: Weston Solutions Inc.	Company:
Address: 300 Plaza Circle, Ste. 202	Address:
Address: Hundelein, IL 60060	Address:
Phone: 224-864-7250	Phone:
Fax: 224-864-7230	Fax:
E-Mail: S.Babusukumar@westonsolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions Inc.	02056.014.026.0030
Project Name	
IDOT 026-Thornton-Lansing Road	
Project Location/State	Lab Project #
Lansing, IL	
Sampler	Lab PM
M. Doheny-Skubic	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	PH	Comments
1		WC-3(0-6)-081915	8-19-15	0820	2	S		X	X	X	X	X	
2		WC-4(0-6)-081915		0835									
3		WC-5(0-6)-081915		0847									
4		WC-6(0-6)-081915		0910									
5		WC-6(6-8)-081915		0913	2	S		X	X	X	X	X	
6		WC-6-081915	8-19-15	0920	5	W		X	X	X			
7		TRIPBLANK2	—	—	2	W		X					
8		WC-7(0-6)-081915	8-19-15	0955	2	S		X	X	X	X	X	
9		WC-7(0-6)-081915D	8-19-15	0955	2	S		X	X	X	X	X	
10		WC-8(0-6)-081915	8-19-15	1010	2	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	8-19-15	1547	[illegible]	TA	8/19/15	1547
[illegible]	TA	8/19/15	1630	[illegible]	TA-CHI	8/20/15	0710
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)
8/31/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Babusukumar
Company: Weston Solutions Inc
Address: 300 Plaza Circle, Ste. 202
Address: W Hundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7234
E-Mail: S.BabuSukumar@westonsolutions.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-100116
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston Solutions
Client Project #: 02056.014.026.0030
Project Name: IDOT 026 - Thornton-Lansing Rd
Project Location/State: Lansing, IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: Drk Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		WC-9(0-6)-081915	8-19-15	1032	2	S		X	X	X	X	X	
12		WC-10(0-6)-081915		1050									
13		VL15-1(0-6)-081915		1123									
14		VL15-2(0-6)-081915		1145									
15		VL15-3(0-6)-081915		1205									
16		MM-1(0-6)-081915		1227									
17		MM-2(0-6)-081915		1242									
18		MM-3(0-6)-081915		1253									
19		MM-4(0-6)-081915		1310									
20		MM-4(0-6)-081915D	8-19-15	1310	2	S		X	X	X	X	X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days (7 Days) ___ 10 Days ___ 15 Days ~~Standard~~ 5 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
[illegible]	Weston	8-19-15	1547	J. Neal	TA	8/19/15	1547
J. Neal	TA	8/19/15	1630	[illegible]	TA-CHI	8/20/15	0710

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 (1209)

8/31/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-100117-1
Client Project/Site: IDOT - Lansing - WO 026

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

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:
8/28/2015 4:06:56 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

Client Sample ID: MM-5(0-6)-081915
Date Collected: 08/19/15 13:25
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-1
Matrix: Solid
Percent Solids: 90.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/26/15 06:34	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		08/26/15 06:34	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		08/26/15 06:34	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 06:34	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 06:34	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 06:34	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		08/26/15 06:34	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 06:34	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		08/26/15 06:34	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 06:34	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 06:34	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 06:34	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 06:34	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		08/26/15 06:34	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 06:34	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/26/15 06:34	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 06:34	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		08/26/15 06:34	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		08/26/15 06:34	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		08/26/15 06:34	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		08/26/15 06:34	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		08/26/15 06:34	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 06:34	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 06:34	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 06:34	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 06:34	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		08/26/15 06:34	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 06:34	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		08/26/15 06:34	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		08/26/15 06:34	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		08/26/15 06:34	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 06:34	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 06:34	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		08/26/15 06:34	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 06:34	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*08/26/15 06:34*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/26/15 06:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*08/26/15 06:34*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/26/15 06:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1

Client Sample ID: MM-5(0-6)-081915
Date Collected: 08/19/15 13:25
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-1
Matrix: Solid
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	80	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2,4-Dinitrophenol	<710	* F1	710	620	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2-Methylphenol	<180		180	56	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
4,6-Dinitro-2-methylphenol	<350	*	350	280	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Anthracene	**30**	**J**	35	5.8	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Benzo[a]anthracene	**78**		35	4.7	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Benzo[a]pyrene	**120**		35	6.8	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Benzo[b]fluoranthene	**94**		35	7.6	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Benzo[g,h,i]perylene	**56**	**F1**	35	11	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Benzo[k]fluoranthene	**120**		35	10	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Carbazole	<180		180	87	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Chrysene	**85**		35	9.5	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Dibenz(a,h)anthracene	**28**	**J F1**	35	6.8	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Di-n-octyl phthalate	<180	F1	180	57	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Fluoranthene	**120**		35	6.5	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Fluorene	<35		35	4.9	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Hexachlorocyclopentadiene	<710	F1	710	200	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Hexachloroethane	<180		180	53	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1

Client Sample ID: MM-5(0-6)-081915
Date Collected: 08/19/15 13:25
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-1
Matrix: Solid
Percent Solids: 90.4

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	**68**	**F1 F2**	35	9.1	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Isophorone	<180		180	39	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Phenanthrene	**85**		35	4.9	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Phenol	<180		180	78	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1
Pyrene	**120**		35	7.0	ug/Kg	☼	08/24/15 16:40	08/28/15 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*35 - 137*	*08/24/15 16:40*	*08/28/15 11:46*	*1*
2-Fluorobiphenyl	*69*		*25 - 119*	*08/24/15 16:40*	*08/28/15 11:46*	*1*
2-Fluorophenol	*73*		*25 - 110*	*08/24/15 16:40*	*08/28/15 11:46*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*08/24/15 16:40*	*08/28/15 11:46*	*1*
Phenol-d5	*60*		*31 - 110*	*08/24/15 16:40*	*08/28/15 11:46*	*1*
Terphenyl-d14	*98*		*36 - 134*	*08/24/15 16:40*	*08/28/15 11:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J B**	0.050	0.010	mg/L		08/25/15 10:00	08/26/15 01:01	1
Barium	**0.24**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/26/15 01:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/26/15 01:01	1
Cadmium	**0.0034**	**J**	0.0050	0.0020	mg/L		08/25/15 10:00	08/26/15 01:01	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:01	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:01	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:01	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 01:01	1
Lead	**0.043**		0.0075	0.0075	mg/L		08/25/15 10:00	08/26/15 12:53	1
Manganese	**0.55**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:01	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:01	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/26/15 01:01	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:01	1
Zinc	**0.13**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 01:01	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		08/25/15 10:30	08/25/15 17:47	1
Barium	**0.065**	**J**	0.50	0.050	mg/L		08/25/15 10:30	08/25/15 17:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:30	08/25/15 17:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:30	08/25/15 17:47	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 17:47	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 17:47	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 17:47	1
Iron	**2.2**		0.20	0.20	mg/L		08/25/15 10:30	08/25/15 17:47	1
Lead	**0.026**		0.0075	0.0075	mg/L		08/25/15 10:30	08/25/15 17:47	1
Manganese	**0.022**	**J**	0.025	0.010	mg/L		08/25/15 10:30	08/25/15 17:47	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 17:47	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:30	08/25/15 17:47	1

Client Sample ID: MM-5(0-6)-081915
Date Collected: 08/19/15 13:25
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-1
Matrix: Solid
Percent Solids: 90.4

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		08/25/15 10:30	08/25/15 17:47	1
Zinc	**0.29**		0.10	0.020	mg/L		08/25/15 10:30	08/25/15 17:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Arsenic	**4.2**		0.55	0.25	mg/Kg	☼	08/23/15 18:27	08/25/15 18:48	1
Barium	**18**		0.55	0.10	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Beryllium	**0.23**		0.22	0.047	mg/Kg	☼	08/23/15 18:27	08/25/15 18:48	1
Cadmium	**0.19**		0.11	0.032	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Calcium	**28000**		11	3.5	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Chromium	**5.4**		0.55	0.094	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Cobalt	**2.1**		0.27	0.062	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Copper	**6.1**		0.55	0.12	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Iron	**6000**		11	4.2	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Lead	**42**		0.27	0.14	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Magnesium	**17000**		5.5	2.2	mg/Kg	☼	08/23/15 18:27	08/25/15 18:48	1
Manganese	**83**		0.55	0.11	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Nickel	**4.9**		0.55	0.15	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Potassium	**390**		27	4.5	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Sodium	**470**		55	7.2	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Thallium	**0.29**	**J**	0.55	0.27	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Vanadium	**11**		0.27	0.080	mg/Kg	☼	08/23/15 18:27	08/25/15 01:50	1
Zinc	**38**	**B**	1.1	0.35	mg/Kg	☼	08/23/15 18:27	08/25/15 18:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/25/15 18:00	08/26/15 12:11	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		08/25/15 18:00	08/26/15 12:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15**	**J**	18	6.3	ug/Kg	☼	08/25/15 17:30	08/26/15 12:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.99**		0.200	0.200	SU			08/25/15 12:45	1

Client Sample ID: MM-7(0-6)-081915
Date Collected: 08/19/15 13:58
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-3
Matrix: Solid
Percent Solids: 92.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**110**		22	4.2	ug/Kg	☼		08/26/15 07:23	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 07:23	1
Bromodichloromethane	<5.4		5.4	0.91	ug/Kg	☼		08/26/15 07:23	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 07:23	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼		08/26/15 07:23	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		08/26/15 07:23	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 07:23	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 07:23	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		08/26/15 07:23	1
Chloroform	<5.4		5.4	1.0	ug/Kg	☼		08/26/15 07:23	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 07:23	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 07:23	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 07:23	1
Dibromochloromethane	<5.4		5.4	0.62	ug/Kg	☼		08/26/15 07:23	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 07:23	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		08/26/15 07:23	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		08/26/15 07:23	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		08/26/15 07:23	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		08/26/15 07:23	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 07:23	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		08/26/15 07:23	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		08/26/15 07:23	1
Methyl Ethyl Ketone	**13**		5.4	1.9	ug/Kg	☼		08/26/15 07:23	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 07:23	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 07:23	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 07:23	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.85	ug/Kg	☼		08/26/15 07:23	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 07:23	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		08/26/15 07:23	1
trans-1,2-Dichloroethene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 07:23	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		08/26/15 07:23	1
1,1,1-Trichloroethane	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 07:23	1
1,1,2-Trichloroethane	<5.4		5.4	1.0	ug/Kg	☼		08/26/15 07:23	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	☼		08/26/15 07:23	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 07:23	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 07:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*		*08/26/15 07:23*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/26/15 07:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*08/26/15 07:23*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*		*08/26/15 07:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1

Client Sample ID: MM-7(0-6)-081915
Date Collected: 08/19/15 13:58
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-3
Matrix: Solid
Percent Solids: 92.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	80	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2,4-Dinitrophenol	<710	*	710	620	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2-Methylphenol	<180		180	56	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
4,6-Dinitro-2-methylphenol	<350	*	350	280	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Anthracene	<35		35	5.9	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Benzo[a]anthracene	**22**	**J**	35	4.7	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Benzo[a]pyrene	**26**	**J**	35	6.8	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Benzo[b]fluoranthene	<35		35	7.6	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Carbazole	<180		180	88	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Chrysene	**22**	**J**	35	9.6	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Fluoranthene	**43**		35	6.5	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Fluorene	<35		35	4.9	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Hexachloroethane	<180		180	53	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100117-1

Client Sample ID: MM-7(0-6)-081915
Date Collected: 08/19/15 13:58
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-3
Matrix: Solid
Percent Solids: 92.9

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**		35	9.1	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Isophorone	<180		180	39	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Phenanthrene	**35**		35	4.9	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Phenol	<180		180	78	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1
Pyrene	**25**	**J**	35	7.0	ug/Kg	☼	08/24/15 16:40	08/28/15 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*35 - 137*	*08/24/15 16:40*	*08/28/15 11:20*	*1*
2-Fluorobiphenyl	*74*		*25 - 119*	*08/24/15 16:40*	*08/28/15 11:20*	*1*
2-Fluorophenol	*89*		*25 - 110*	*08/24/15 16:40*	*08/28/15 11:20*	*1*
Nitrobenzene-d5	*72*		*25 - 115*	*08/24/15 16:40*	*08/28/15 11:20*	*1*
Phenol-d5	*63*		*31 - 110*	*08/24/15 16:40*	*08/28/15 11:20*	*1*
Terphenyl-d14	*94*		*36 - 134*	*08/24/15 16:40*	*08/28/15 11:20*	*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		08/25/15 10:00	08/26/15 01:26	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/26/15 01:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/26/15 01:26	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		08/25/15 10:00	08/26/15 01:26	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:26	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:26	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:26	1
Iron	**0.51**		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 01:26	1
Lead	**0.0075**		0.0075	0.0075	mg/L		08/25/15 10:00	08/26/15 13:18	1
Manganese	**0.84**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:26	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:26	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/26/15 01:26	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:26	1
Zinc	**0.13**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 01:26	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		08/25/15 10:30	08/25/15 18:25	1
Barium	**0.071**	**J**	0.50	0.050	mg/L		08/25/15 10:30	08/25/15 18:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:30	08/25/15 18:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:30	08/25/15 18:25	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:25	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:25	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:25	1
Iron	**0.69**		0.20	0.20	mg/L		08/25/15 10:30	08/25/15 18:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/15 10:30	08/25/15 18:25	1
Manganese	**0.044**		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:25	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:25	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:30	08/25/15 18:25	1

Client Sample ID: MM-7(0-6)-081915
Date Collected: 08/19/15 13:58
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-3
Matrix: Solid
Percent Solids: 92.9

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		08/25/15 10:30	08/25/15 18:25	1
Zinc	**0.073**	**J**	0.10	0.020	mg/L		08/25/15 10:30	08/25/15 18:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.99		0.99	0.21	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Arsenic	**2.1**		0.50	0.23	mg/Kg	☼	08/23/15 18:27	08/25/15 18:57	1
Barium	**13**		0.50	0.091	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Beryllium	**0.16**	**J**	0.20	0.043	mg/Kg	☼	08/23/15 18:27	08/25/15 18:57	1
Cadmium	**0.078**	**J**	0.099	0.029	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Calcium	**18000**		9.9	3.2	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Chromium	**4.0**		0.50	0.085	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Cobalt	**1.3**		0.25	0.056	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Copper	**3.2**		0.50	0.11	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Iron	**3700**		9.9	3.8	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Lead	**12**		0.25	0.12	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Magnesium	**11000**		5.0	2.0	mg/Kg	☼	08/23/15 18:27	08/25/15 18:57	1
Manganese	**54**		0.50	0.098	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Nickel	**3.2**		0.50	0.13	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Potassium	**310**		25	4.0	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Selenium	<0.50		0.50	0.25	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Silver	<0.25		0.25	0.058	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Sodium	**430**		50	6.5	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Thallium	**0.35**	**J**	0.50	0.24	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Vanadium	**7.0**		0.25	0.072	mg/Kg	☼	08/23/15 18:27	08/25/15 02:03	1
Zinc	**18**	**B**	0.99	0.31	mg/Kg	☼	08/23/15 18:27	08/25/15 18:57	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		08/25/15 18:00	08/26/15 12:19	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		08/25/15 18:00	08/26/15 12:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.0**	**J**	16	5.4	ug/Kg	☼	08/25/15 17:30	08/26/15 13:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.71**		0.200	0.200	SU			08/25/15 12:54	1

Client Sample ID: MM-9(0-6)-081915
Date Collected: 08/19/15 14:27
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-5
Matrix: Solid
Percent Solids: 90.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/26/15 08:11	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		08/26/15 08:11	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		08/26/15 08:11	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 08:11	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 08:11	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 08:11	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		08/26/15 08:11	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 08:11	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		08/26/15 08:11	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 08:11	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 08:11	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 08:11	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 08:11	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		08/26/15 08:11	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 08:11	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/26/15 08:11	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 08:11	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		08/26/15 08:11	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		08/26/15 08:11	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		08/26/15 08:11	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		08/26/15 08:11	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		08/26/15 08:11	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/26/15 08:11	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 08:11	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 08:11	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 08:11	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/26/15 08:11	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 08:11	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		08/26/15 08:11	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		08/26/15 08:11	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		08/26/15 08:11	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 08:11	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/26/15 08:11	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		08/26/15 08:11	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		08/26/15 08:11	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 08:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*08/26/15 08:11*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/26/15 08:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*08/26/15 08:11*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*		*08/26/15 08:11*	*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	38	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1

Client Sample ID: MM-9(0-6)-081915
Date Collected: 08/19/15 14:27
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-5
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2,4-Dinitrophenol	<710	*	710	620	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
4,6-Dinitro-2-methylphenol	<350	*	350	280	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Anthracene	**36**		35	5.9	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Benzo[a]anthracene	**90**		35	4.7	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Benzo[a]pyrene	**120**		35	6.8	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Benzo[b]fluoranthene	**150**		35	7.6	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Benzo[g,h,i]perylene	**47**		35	11	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Benzo[k]fluoranthene	**110**		35	10	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Carbazole	<180		180	88	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Chrysene	**100**		35	9.6	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Fluoranthene	**170**		35	6.5	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100117-1

Client Sample ID: MM-9(0-6)-081915
Date Collected: 08/19/15 14:27
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-5
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**82**		35	9.1	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Isophorone	<180		180	40	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Naphthalene	**32**	**J**	35	5.4	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Phenanthrene	**64**		35	4.9	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Phenol	<180		180	78	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1
Pyrene	**150**		35	7.0	ug/Kg	☼	08/24/15 16:40	08/28/15 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*110*		*35 - 137*	*08/24/15 16:40*	*08/28/15 12:41*	*1*
2-Fluorobiphenyl	*77*		*25 - 119*	*08/24/15 16:40*	*08/28/15 12:41*	*1*
2-Fluorophenol	*103*		*25 - 110*	*08/24/15 16:40*	*08/28/15 12:41*	*1*
Nitrobenzene-d5	*66*		*25 - 115*	*08/24/15 16:40*	*08/28/15 12:41*	*1*
Phenol-d5	*71*		*31 - 110*	*08/24/15 16:40*	*08/28/15 12:41*	*1*
Terphenyl-d14	*107*		*36 - 134*	*08/24/15 16:40*	*08/28/15 12:41*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.012**	**J B**	0.050	0.010	mg/L		08/25/15 10:00	08/26/15 01:44	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/26/15 01:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/26/15 01:44	1
Cadmium	**0.0043**	**J**	0.0050	0.0020	mg/L		08/25/15 10:00	08/26/15 01:44	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:44	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:44	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:44	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 01:44	1
Lead	**0.024**		0.0075	0.0075	mg/L		08/25/15 10:00	08/26/15 13:28	1
Manganese	**1.3**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:44	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:44	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/26/15 01:44	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:44	1
Zinc	**0.88**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 01:44	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		08/25/15 10:30	08/25/15 18:39	1
Barium	**0.13**	**J**	0.50	0.050	mg/L		08/25/15 10:30	08/25/15 18:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:30	08/25/15 18:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:30	08/25/15 18:39	1
Chromium	**0.031**		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:39	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:39	1
Copper	**0.025**		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:39	1
Iron	**16**		0.20	0.20	mg/L		08/25/15 10:30	08/25/15 18:39	1
Lead	**0.065**		0.0075	0.0075	mg/L		08/25/15 10:30	08/25/15 18:39	1
Manganese	**0.16**		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:39	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:39	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:30	08/25/15 18:39	1

Client Sample ID: MM-9(0-6)-081915
Date Collected: 08/19/15 14:27
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-5
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:39	1
Zinc	**0.24**		0.10	0.020	mg/L		08/25/15 10:30	08/25/15 18:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Arsenic	**3.1**		0.55	0.25	mg/Kg	☼	08/23/15 18:27	08/25/15 19:20	1
Barium	**25**		0.55	0.10	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Beryllium	**0.41**		0.22	0.047	mg/Kg	☼	08/23/15 18:27	08/25/15 19:20	1
Cadmium	**0.19**		0.11	0.032	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Calcium	**45000**		11	3.5	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Chromium	**10**		0.55	0.094	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Cobalt	**1.7**		0.27	0.062	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Copper	**8.7**		0.55	0.12	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Iron	**5700**		11	4.2	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Lead	**34**		0.27	0.14	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Magnesium	**26000**		5.5	2.2	mg/Kg	☼	08/23/15 18:27	08/25/15 19:20	1
Manganese	**350**		0.55	0.11	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Nickel	**4.1**		0.55	0.15	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Potassium	**540**		27	4.5	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Sodium	**280**		55	7.2	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Thallium	**0.62**		0.55	0.27	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Vanadium	**10**		0.27	0.080	mg/Kg	☼	08/23/15 18:27	08/25/15 02:17	1
Zinc	**76**	**B**	1.1	0.35	mg/Kg	☼	08/23/15 18:27	08/25/15 19:20	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		08/25/15 18:00	08/26/15 12:23	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		08/25/15 18:00	08/26/15 12:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**		16	5.6	ug/Kg	☼	08/25/15 17:30	08/26/15 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.82**		0.200	0.200	SU			08/25/15 13:00	1

Client Sample ID: MM-9(6-7.5)-081915
Date Collected: 08/19/15 14:30
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-6
Matrix: Solid
Percent Solids: 87.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		08/26/15 08:36	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		08/26/15 08:36	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	☼		08/26/15 08:36	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		08/26/15 08:36	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		08/26/15 08:36	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		08/26/15 08:36	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		08/26/15 08:36	1
Chlorobenzene	<5.7		5.7	1.4	ug/Kg	☼		08/26/15 08:36	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		08/26/15 08:36	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		08/26/15 08:36	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		08/26/15 08:36	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		08/26/15 08:36	1
cis-1,3-Dichloropropene	<5.7	F1	5.7	1.3	ug/Kg	☼		08/26/15 08:36	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		08/26/15 08:36	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		08/26/15 08:36	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/26/15 08:36	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		08/26/15 08:36	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		08/26/15 08:36	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		08/26/15 08:36	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		08/26/15 08:36	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		08/26/15 08:36	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		08/26/15 08:36	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		08/26/15 08:36	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		08/26/15 08:36	1
Methyl tert-butyl ether	<5.7		5.7	1.4	ug/Kg	☼		08/26/15 08:36	1
Styrene	<5.7	F1	5.7	1.3	ug/Kg	☼		08/26/15 08:36	1
1,1,2,2-Tetrachloroethane	<5.7	F1	5.7	0.91	ug/Kg	☼		08/26/15 08:36	1
Tetrachloroethene	<5.7	F1	5.7	1.2	ug/Kg	☼		08/26/15 08:36	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		08/26/15 08:36	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		08/26/15 08:36	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		08/26/15 08:36	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		08/26/15 08:36	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		08/26/15 08:36	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		08/26/15 08:36	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		08/26/15 08:36	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		08/26/15 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 122*		*08/26/15 08:36*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*08/26/15 08:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*08/26/15 08:36*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*08/26/15 08:36*	*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	☼	08/24/15 16:40	08/27/15 20:49	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1

Client Sample ID: MM-9(6-7.5)-081915
Date Collected: 08/19/15 14:30
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-6
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	<360		360	83	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2,4-Dinitrophenol	<740	*	740	640	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
4,6-Dinitro-2-methylphenol	<360	*	360	290	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Benzo[a]anthracene	<36		36	4.9	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Benzo[b]fluoranthene	**22**	**J**	36	7.9	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Carbazole	<180		180	91	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Chrysene	<36		36	10	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Fluoranthene	**31**	**J**	36	6.8	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Hexachloroethane	<180		180	56	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1

Client Sample ID: MM-9(6-7.5)-081915
Date Collected: 08/19/15 14:30
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-6
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	<36		36	9.5	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Isophorone	<180		180	41	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Phenanthrene	**28**	**J**	36	5.1	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Phenol	<180		180	81	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1
Pyrene	<36		36	7.3	ug/Kg	☼	08/24/15 16:40	08/27/15 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*53*		*35 - 137*	*08/24/15 16:40*	*08/27/15 20:49*	*1*
2-Fluorobiphenyl	*95*		*25 - 119*	*08/24/15 16:40*	*08/27/15 20:49*	*1*
2-Fluorophenol	*106*		*25 - 110*	*08/24/15 16:40*	*08/27/15 20:49*	*1*
Nitrobenzene-d5	*62*		*25 - 115*	*08/24/15 16:40*	*08/27/15 20:49*	*1*
Phenol-d5	*72*		*31 - 110*	*08/24/15 16:40*	*08/27/15 20:49*	*1*
Terphenyl-d14	*123*		*36 - 134*	*08/24/15 16:40*	*08/27/15 20:49*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J B**	0.050	0.010	mg/L		08/25/15 10:00	08/26/15 01:49	1
Barium	**0.16**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/26/15 01:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/26/15 01:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/26/15 01:49	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:49	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:49	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:49	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 01:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/15 10:00	08/26/15 13:41	1
Manganese	**0.078**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:49	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:49	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/26/15 01:49	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 01:49	1
Zinc	**0.066**	**J**	0.10	0.020	mg/L		08/25/15 10:00	08/26/15 01:49	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		08/25/15 10:30	08/25/15 18:45	1
Barium	**0.060**	**J**	0.50	0.050	mg/L		08/25/15 10:30	08/25/15 18:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:30	08/25/15 18:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:30	08/25/15 18:45	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:45	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:45	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:45	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:30	08/25/15 18:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/15 10:30	08/25/15 18:45	1
Manganese	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:45	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:30	08/25/15 18:45	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:30	08/25/15 18:45	1

Client Sample ID: MM-9(6-7.5)-081915
Date Collected: 08/19/15 14:30
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-6
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		08/25/15 10:30	08/25/15 18:45	1
Zinc	**0.10**		0.10	0.020	mg/L		08/25/15 10:30	08/25/15 18:45	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Arsenic	**2.4**		0.54	0.25	mg/Kg	☼	08/23/15 18:27	08/25/15 19:25	1
Barium	**9.8**		0.54	0.099	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Beryllium	**0.12**	**J**	0.22	0.047	mg/Kg	☼	08/23/15 18:27	08/25/15 19:25	1
Cadmium	<0.11		0.11	0.031	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Calcium	**1700**		11	3.5	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Chromium	**4.2**		0.54	0.093	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Cobalt	**1.8**		0.27	0.061	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Copper	**2.8**		0.54	0.12	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Iron	**3800**		11	4.2	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Lead	**3.4**		0.27	0.14	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Magnesium	**1300**		5.4	2.2	mg/Kg	☼	08/23/15 18:27	08/25/15 19:25	1
Manganese	**28**		0.54	0.11	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Nickel	**3.7**		0.54	0.15	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Potassium	**260**		27	4.4	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Sodium	**130**		54	7.2	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Vanadium	**8.3**		0.27	0.079	mg/Kg	☼	08/23/15 18:27	08/25/15 02:23	1
Zinc	**11**	**B**	1.1	0.34	mg/Kg	☼	08/23/15 18:27	08/25/15 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		08/25/15 18:00	08/26/15 12:28	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		08/25/15 18:00	08/26/15 12:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	18	6.2	ug/Kg	☼	08/25/15 17:30	08/26/15 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.43**		0.200	0.200	SU			08/25/15 13:03	1

Client Sample ID: MM-9-081915
Date Collected: 08/19/15 14:40
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-7
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.0		5.0	1.3	ug/L			08/26/15 15:42	1
Benzene	<0.50		0.50	0.074	ug/L			08/26/15 15:42	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			08/26/15 15:42	1
Bromoform	<1.0		1.0	0.28	ug/L			08/26/15 15:42	1
Bromomethane	<1.0		1.0	0.31	ug/L			08/26/15 15:42	1
Methyl Ethyl Ketone	<5.0		5.0	1.5	ug/L			08/26/15 15:42	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			08/26/15 15:42	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			08/26/15 15:42	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			08/26/15 15:42	1
Chloroethane	<1.0		1.0	0.34	ug/L			08/26/15 15:42	1
Chloroform	<1.0		1.0	0.20	ug/L			08/26/15 15:42	1
Chloromethane	<1.0		1.0	0.18	ug/L			08/26/15 15:42	1
cis-1,2-Dichloroethene	<1.0		1.0	0.12	ug/L			08/26/15 15:42	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			08/26/15 15:42	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			08/26/15 15:42	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			08/26/15 15:42	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			08/26/15 15:42	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			08/26/15 15:42	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			08/26/15 15:42	1
1,3-Dichloropropene, Total	<1.0		1.0	0.18	ug/L			08/26/15 15:42	1
Ethylbenzene	<0.50		0.50	0.13	ug/L			08/26/15 15:42	1
2-Hexanone	<5.0	*	5.0	0.56	ug/L			08/26/15 15:42	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			08/26/15 15:42	1
methyl isobutyl ketone	<5.0		5.0	0.33	ug/L			08/26/15 15:42	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			08/26/15 15:42	1
Styrene	<1.0		1.0	0.10	ug/L			08/26/15 15:42	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			08/26/15 15:42	1
Tetrachloroethene	<1.0		1.0	0.17	ug/L			08/26/15 15:42	1
Toluene	<0.50		0.50	0.11	ug/L			08/26/15 15:42	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			08/26/15 15:42	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			08/26/15 15:42	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			08/26/15 15:42	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			08/26/15 15:42	1
Trichloroethene	<0.50		0.50	0.19	ug/L			08/26/15 15:42	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			08/26/15 15:42	1
Xylenes, Total	<1.0		1.0	0.068	ug/L			08/26/15 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*08/26/15 15:42*	*1*
Dibromofluoromethane	*88*		*75 - 120*		*08/26/15 15:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 125*		*08/26/15 15:42*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*08/26/15 15:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.5		1.5	0.18	ug/L		08/20/15 17:41	08/25/15 16:11	1
1,2-Dichlorobenzene	<1.5		1.5	0.19	ug/L		08/20/15 17:41	08/25/15 16:11	1
1,3-Dichlorobenzene	<1.5		1.5	0.16	ug/L		08/20/15 17:41	08/25/15 16:11	1
1,4-Dichlorobenzene	<1.5		1.5	0.16	ug/L		08/20/15 17:41	08/25/15 16:11	1
2,2'-oxybis[1-chloropropane]	<1.5	*	1.5	0.29	ug/L		08/20/15 17:41	08/25/15 16:11	1

Client Sample ID: MM-9-081915
Date Collected: 08/19/15 14:40
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<7.7		7.7	2.0	ug/L		08/20/15 17:41	08/25/15 16:11	1
2,4,6-Trichlorophenol	<3.9	*	3.9	0.55	ug/L		08/20/15 17:41	08/25/15 16:11	1
2,4-Dichlorophenol	<7.7		7.7	2.0	ug/L		08/20/15 17:41	08/25/15 16:11	1
2,4-Dimethylphenol	<7.7		7.7	1.4	ug/L		08/20/15 17:41	08/25/15 16:11	1
2,4-Dinitrophenol	<15		15	6.6	ug/L		08/20/15 17:41	08/25/15 16:11	1
2,4-Dinitrotoluene	<0.77	*	0.77	0.19	ug/L		08/20/15 17:41	08/25/15 16:11	1
2,6-Dinitrotoluene	<0.39	*	0.39	0.057	ug/L		08/20/15 17:41	08/25/15 16:11	1
2-Chloronaphthalene	<1.5		1.5	0.18	ug/L		08/20/15 17:41	08/25/15 16:11	1
2-Chlorophenol	<3.9		3.9	0.43	ug/L		08/20/15 17:41	08/25/15 16:11	1
2-Methylnaphthalene	<0.39		0.39	0.050	ug/L		08/20/15 17:41	08/25/15 16:11	1
2-Methylphenol	<1.5	*	1.5	0.24	ug/L		08/20/15 17:41	08/25/15 16:11	1
2-Nitroaniline	<3.9		3.9	1.0	ug/L		08/20/15 17:41	08/25/15 16:11	1
2-Nitrophenol	<7.7		7.7	1.9	ug/L		08/20/15 17:41	08/25/15 16:11	1
3 & 4 Methylphenol	<1.5		1.5	0.35	ug/L		08/20/15 17:41	08/25/15 16:11	1
3,3'-Dichlorobenzidine	<3.9		3.9	1.3	ug/L		08/20/15 17:41	08/25/15 16:11	1
3-Nitroaniline	<7.7		7.7	1.4	ug/L		08/20/15 17:41	08/25/15 16:11	1
4,6-Dinitro-2-methylphenol	<15	*	15	4.6	ug/L		08/20/15 17:41	08/25/15 16:11	1
4-Bromophenyl phenyl ether	<3.9	*	3.9	0.42	ug/L		08/20/15 17:41	08/25/15 16:11	1
4-Chloro-3-methylphenol	<7.7	*	7.7	1.8	ug/L		08/20/15 17:41	08/25/15 16:11	1
4-Chloroaniline	<7.7		7.7	1.6	ug/L		08/20/15 17:41	08/25/15 16:11	1
4-Chlorophenyl phenyl ether	<3.9		3.9	0.49	ug/L		08/20/15 17:41	08/25/15 16:11	1
4-Nitroaniline	<7.7		7.7	1.3	ug/L		08/20/15 17:41	08/25/15 16:11	1
4-Nitrophenol	<15		15	5.7	ug/L		08/20/15 17:41	08/25/15 16:11	1
Acenaphthene	<0.77		0.77	0.24	ug/L		08/20/15 17:41	08/25/15 16:11	1
Acenaphthylene	<0.77		0.77	0.21	ug/L		08/20/15 17:41	08/25/15 16:11	1
Anthracene	<0.77	*	0.77	0.26	ug/L		08/20/15 17:41	08/25/15 16:11	1
Benzo[a]anthracene	<0.13		0.13	0.044	ug/L		08/20/15 17:41	08/25/15 16:11	1
Benzo[a]pyrene	<0.15	*	0.15	0.076	ug/L		08/20/15 17:41	08/25/15 16:11	1
Benzo[b]fluoranthene	<0.15		0.15	0.062	ug/L		08/20/15 17:41	08/25/15 16:11	1
Benzo[g,h,i]perylene	<0.77		0.77	0.29	ug/L		08/20/15 17:41	08/25/15 16:11	1
Benzo[k]fluoranthene	<0.15	*	0.15	0.049	ug/L		08/20/15 17:41	08/25/15 16:11	1
Bis(2-chloroethoxy)methane	<1.5	*	1.5	0.22	ug/L		08/20/15 17:41	08/25/15 16:11	1
Bis(2-chloroethyl)ether	<1.5		1.5	0.23	ug/L		08/20/15 17:41	08/25/15 16:11	1
Bis(2-ethylhexyl) phthalate	<7.7		7.7	1.3	ug/L		08/20/15 17:41	08/25/15 16:11	1
Butyl benzyl phthalate	<1.5		1.5	0.37	ug/L		08/20/15 17:41	08/25/15 16:11	1
Carbazole	<3.9	*	3.9	0.27	ug/L		08/20/15 17:41	08/25/15 16:11	1
Chrysene	<0.39	*	0.39	0.053	ug/L		08/20/15 17:41	08/25/15 16:11	1
Dibenz(a,h)anthracene	<0.23	*	0.23	0.039	ug/L		08/20/15 17:41	08/25/15 16:11	1
Dibenzofuran	<1.5		1.5	0.20	ug/L		08/20/15 17:41	08/25/15 16:11	1
Diethyl phthalate	<1.5	*	1.5	0.28	ug/L		08/20/15 17:41	08/25/15 16:11	1
Dimethyl phthalate	<1.5	*	1.5	0.24	ug/L		08/20/15 17:41	08/25/15 16:11	1
Di-n-butyl phthalate	<3.9		3.9	0.56	ug/L		08/20/15 17:41	08/25/15 16:11	1
Di-n-octyl phthalate	<7.7		7.7	0.81	ug/L		08/20/15 17:41	08/25/15 16:11	1
Fluoranthene	<0.77		0.77	0.35	ug/L		08/20/15 17:41	08/25/15 16:11	1
Fluorene	<0.77		0.77	0.19	ug/L		08/20/15 17:41	08/25/15 16:11	1
Hexachlorobenzene	<0.39		0.39	0.061	ug/L		08/20/15 17:41	08/25/15 16:11	1
Hexachlorobutadiene	<3.9		3.9	0.40	ug/L		08/20/15 17:41	08/25/15 16:11	1
Hexachlorocyclopentadiene	<15		15	4.9	ug/L		08/20/15 17:41	08/25/15 16:11	1
Hexachloroethane	<3.9		3.9	0.46	ug/L		08/20/15 17:41	08/25/15 16:11	1

Client Sample ID: MM-9-081915
Date Collected: 08/19/15 14:40
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100117-7
Matrix: Water

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	<0.15	*	0.15	0.058	ug/L		08/20/15 17:41	08/25/15 16:11	1
Isophorone	<1.5	*	1.5	0.29	ug/L		08/20/15 17:41	08/25/15 16:11	1
Naphthalene	<0.77		0.77	0.24	ug/L		08/20/15 17:41	08/25/15 16:11	1
Nitrobenzene	<0.77	*	0.77	0.35	ug/L		08/20/15 17:41	08/25/15 16:11	1
N-Nitrosodi-n-propylamine	<0.39	*	0.39	0.12	ug/L		08/20/15 17:41	08/25/15 16:11	1
N-Nitrosodiphenylamine	<0.77	*	0.77	0.29	ug/L		08/20/15 17:41	08/25/15 16:11	1
Pentachlorophenol	<15		15	3.0	ug/L		08/20/15 17:41	08/25/15 16:11	1
Phenanthrene	<0.77	*	0.77	0.23	ug/L		08/20/15 17:41	08/25/15 16:11	1
Phenol	<3.9		3.9	0.52	ug/L		08/20/15 17:41	08/25/15 16:11	1
Pyrene	<0.77	*	0.77	0.33	ug/L		08/20/15 17:41	08/25/15 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*89*		*32 - 110*	*08/20/15 17:41*	*08/25/15 16:11*	*1*
Phenol-d5	*74*		*25 - 100*	*08/20/15 17:41*	*08/25/15 16:11*	*1*
Nitrobenzene-d5	*78*		*47 - 134*	*08/20/15 17:41*	*08/25/15 16:11*	*1*
2-Fluorobiphenyl	*112*		*41 - 132*	*08/20/15 17:41*	*08/25/15 16:11*	*1*
2,4,6-Tribromophenol	*126*		*53 - 150*	*08/20/15 17:41*	*08/25/15 16:11*	*1*
Terphenyl-d14	*146*		*59 - 150*	*08/20/15 17:41*	*08/25/15 16:11*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0010	mg/L		08/20/15 16:53	08/21/15 14:31	1
Arsenic	**0.011**		0.0010	0.00044	mg/L		08/20/15 16:53	08/25/15 20:16	1
Barium	**0.065**		0.0025	0.00084	mg/L		08/20/15 16:53	08/21/15 14:31	1
Beryllium	**0.00047**	**J**	0.0010	0.00024	mg/L		08/20/15 16:53	08/21/15 14:31	1
Cadmium	<0.00050		0.00050	0.00019	mg/L		08/20/15 16:53	08/21/15 14:31	1
Calcium	**76**		0.20	0.11	mg/L		08/20/15 16:53	08/21/15 14:31	1
Chromium	**0.013**		0.0050	0.00061	mg/L		08/20/15 16:53	08/21/15 14:31	1
Cobalt	**0.011**		0.0010	0.00019	mg/L		08/20/15 16:53	08/21/15 14:31	1
Copper	**0.014**		0.0020	0.00096	mg/L		08/20/15 16:53	08/21/15 14:31	1
Iron	**13**		0.10	0.026	mg/L		08/20/15 16:53	08/21/15 14:31	1
Lead	**0.012**		0.00050	0.00014	mg/L		08/20/15 16:53	08/21/15 14:31	1
Magnesium	**45**		0.20	0.083	mg/L		08/20/15 16:53	08/21/15 14:31	1
Manganese	**0.18**		0.0025	0.00099	mg/L		08/20/15 16:53	08/21/15 14:31	1
Nickel	**0.018**		0.0020	0.00053	mg/L		08/20/15 16:53	08/21/15 14:31	1
Potassium	**4.5**		0.50	0.19	mg/L		08/20/15 16:53	08/21/15 14:31	1
Selenium	**0.0042**		0.0025	0.00083	mg/L		08/20/15 16:53	08/21/15 14:31	1
Silver	<0.00050		0.00050	0.000080	mg/L		08/20/15 16:53	08/21/15 14:31	1
Sodium	**140**	**B**	0.20	0.088	mg/L		08/20/15 16:53	08/21/15 14:31	1
Thallium	<0.0020		0.0020	0.00059	mg/L		08/20/15 16:53	08/21/15 14:31	1
Vanadium	**0.027**		0.0050	0.0022	mg/L		08/20/15 16:53	08/21/15 14:31	1
Zinc	**0.046**		0.020	0.0046	mg/L		08/20/15 16:53	08/21/15 14:31	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.061	ug/L		08/24/15 18:00	08/25/15 11:25	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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.
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. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100117-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTA

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

500-100117 COC

(optional)

Report To
Contact: S.BabuSukumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7750
Fax: 224-864-7238
E-Mail: SBabuSukumar@westonsolutions.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-100117
Chain of Custody Number:
Page 1 of 1
Temperature °C of Cooler: 2.4/2.9

Client: Weston Solutions
Client Project #: 02056.02014.026.0030
Project Name: IDOT 026-Thorton-Lansing Road
Project Location/State: Lansing, IL
Lab Project #:
Sampler: M. Doheny-Skibi
Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TCLP/SPLP Metals	pH					Comments
1		MM-5(0-6)-081915	8-19-15	1325	2	S	X	X	X	X	X					
2		MM-6(0-6)-081915		1340												
3		MM-7(0-6)-081915		1358												
4		MM-8(0-6)-081915		1408												
5		MM-9(0-6)-081915		1427												
6		MM-9(6-7.5)-081915		1430	2	S	X	X	X	X	X					
7		MM-9-081915	8-19-15	1440	5	W	X	X	X							
*																* LAST ITEM

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

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days (7 Days) ___10 Days ___15 Days ___Other (MA Standard)
Requested Due Date

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	8-19-15	1547	[illegible]	TA	8/19/15	1547
J. Neal	TA	8/19/15	1630	[illegible]	TA-CHI	8/20/15	0710

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-100183-1
Client Project/Site: IDOT - Lansing - WO 026

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

Attn: Mr. S. Babusukumar

Authorized for release by:
8/31/2015 5:03:29 PM

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

Client Sample ID: MM-13(0-6)-082015
Date Collected: 08/20/15 08:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-4
Matrix: Solid
Percent Solids: 91.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		08/27/15 19:37	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 19:37	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		08/27/15 19:37	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 19:37	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 19:37	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 19:37	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 19:37	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 19:37	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		08/27/15 19:37	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 19:37	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 19:37	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 19:37	1
cis-1,3-Dichloropropene	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 19:37	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		08/27/15 19:37	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 19:37	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		08/27/15 19:37	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 19:37	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 19:37	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 19:37	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 19:37	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		08/27/15 19:37	1
Methylene Chloride	<5.5		5.5	4.1	ug/Kg	☼		08/27/15 19:37	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 19:37	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 19:37	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 19:37	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 19:37	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/27/15 19:37	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 19:37	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		08/27/15 19:37	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 19:37	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 19:37	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 19:37	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 19:37	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 19:37	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 19:37	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/27/15 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*		*08/27/15 19:37*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/27/15 19:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*		*08/27/15 19:37*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/27/15 19:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100183-1

Client Sample ID: MM-13(0-6)-082015
Date Collected: 08/20/15 08:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-4
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	80	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2-Methylphenol	<180		180	56	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Anthracene	<35		35	5.9	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Benzo[a]anthracene	<35		35	4.7	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Benzo[a]pyrene	<35		35	6.8	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Benzo[b]fluoranthene	<35		35	7.6	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Carbazole	<180		180	88	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Chrysene	<35		35	9.6	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Fluoranthene	<35		35	6.5	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Fluorene	<35		35	4.9	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Hexachloroethane	<180		180	53	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1

Client Sample ID: MM-13(0-6)-082015
Date Collected: 08/20/15 08:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-4
Matrix: Solid
Percent Solids: 91.2

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	<35		35	9.1	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Isophorone	<180		180	39	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Phenol	<180		180	78	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1
Pyrene	<35		35	7.0	ug/Kg	☼	08/26/15 07:35	08/29/15 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*37*		*35 - 137*	*08/26/15 07:35*	*08/29/15 13:02*	*1*
2-Fluorobiphenyl	*71*		*25 - 119*	*08/26/15 07:35*	*08/29/15 13:02*	*1*
2-Fluorophenol	*73*		*25 - 110*	*08/26/15 07:35*	*08/29/15 13:02*	*1*
Nitrobenzene-d5	*63*		*25 - 115*	*08/26/15 07:35*	*08/29/15 13:02*	*1*
Phenol-d5	*65*		*31 - 110*	*08/26/15 07:35*	*08/29/15 13:02*	*1*
Terphenyl-d14	*74*		*36 - 134*	*08/26/15 07:35*	*08/29/15 13:02*	*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		08/27/15 09:40	08/27/15 18:51	1
Barium	**0.13**	**J**	0.50	0.050	mg/L		08/27/15 09:40	08/27/15 18:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 09:40	08/27/15 18:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 09:40	08/27/15 18:51	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:51	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:51	1
Copper	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:51	1
Iron	<0.20		0.20	0.20	mg/L		08/27/15 09:40	08/27/15 18:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/27/15 09:40	08/27/15 18:51	1
Manganese	**0.20**		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:51	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:51	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 09:40	08/27/15 18:51	1
Silver	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:51	1
Zinc	**0.029**	**J**	0.10	0.020	mg/L		08/27/15 09:40	08/27/15 18:51	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		08/27/15 10:40	08/28/15 13:52	1
Barium	<0.50		0.50	0.050	mg/L		08/27/15 10:40	08/28/15 13:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 10:40	08/28/15 13:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 10:40	08/28/15 13:52	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 13:52	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 13:52	1
Copper	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 13:52	1
Iron	**8.0**		0.20	0.20	mg/L		08/27/15 10:40	08/28/15 13:52	1
Lead	**0.0093**		0.0075	0.0075	mg/L		08/27/15 10:40	08/28/15 13:52	1
Manganese	**0.049**		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 13:52	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 13:52	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 10:40	08/28/15 13:52	1

Client Sample ID: MM-13(0-6)-082015
Date Collected: 08/20/15 08:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-4
Matrix: Solid
Percent Solids: 91.2

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		08/27/15 10:40	08/28/15 13:52	1
Zinc	**3.9**		0.10	0.020	mg/L		08/27/15 10:40	08/28/15 13:52	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	☼	08/23/15 18:49	08/24/15 22:45	1
Arsenic	**3.0**		0.53	0.25	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Barium	**7.9**		0.53	0.097	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Beryllium	**0.14**	**J**	0.21	0.046	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Cadmium	**0.069**	**J**	0.11	0.031	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Calcium	**1700**	**B**	11	3.4	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Chromium	**3.4**		0.53	0.092	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Cobalt	**1.6**		0.27	0.060	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Copper	**2.1**		0.53	0.12	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Iron	**3700**		11	4.1	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Lead	**3.5**		0.27	0.13	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Magnesium	**1200**		5.3	2.2	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Manganese	**28**		0.53	0.11	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Nickel	**3.4**		0.53	0.14	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Potassium	**200**		27	4.3	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Selenium	**0.26**	**J**	0.53	0.26	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Sodium	**440**		53	7.0	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Vanadium	**8.1**		0.27	0.078	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	1
Zinc	**11**	**B**	1.1	0.34	mg/Kg	☼	08/23/15 18:49	08/24/15 22:45	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		08/27/15 16:15	08/28/15 11:18	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		08/27/15 16:15	08/28/15 10:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<16		16	5.6	ug/Kg	☼	08/26/15 19:00	08/27/15 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.36**		0.200	0.200	SU			08/25/15 13:54	1

Client Sample ID: MM-13(0-6)-082015D
Date Collected: 08/20/15 08:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-5
Matrix: Solid
Percent Solids: 91.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/27/15 20:02	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 20:02	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		08/27/15 20:02	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:02	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 20:02	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 20:02	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 20:02	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:02	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		08/27/15 20:02	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:02	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:02	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:02	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:02	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		08/27/15 20:02	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:02	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		08/27/15 20:02	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 20:02	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 20:02	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 20:02	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 20:02	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		08/27/15 20:02	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		08/27/15 20:02	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 20:02	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:02	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:02	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:02	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/27/15 20:02	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:02	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		08/27/15 20:02	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 20:02	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 20:02	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:02	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:02	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 20:02	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:02	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/27/15 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*		*08/27/15 20:02*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*08/27/15 20:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*		*08/27/15 20:02*	*1*
Toluene-d8 (Surr)	*92*		*75 - 122*		*08/27/15 20:02*	*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	☼	08/26/15 07:35	08/29/15 13:27	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1

Client Sample ID: MM-13(0-6)-082015D
Date Collected: 08/20/15 08:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-5
Matrix: Solid
Percent Solids: 91.0

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	82	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Anthracene	<36		36	6.0	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Benzo[a]anthracene	<36		36	4.8	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Benzo[a]pyrene	<36		36	6.9	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Benzo[b]fluoranthene	<36		36	7.7	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Carbazole	<180		180	89	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Chrysene	<36		36	9.8	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Dibenz(a,h)anthracene	<36		36	6.9	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Fluoranthene	<36		36	6.6	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Fluorene	<36		36	5.0	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1

Client Sample ID: MM-13(0-6)-082015D
Date Collected: 08/20/15 08:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-5
Matrix: Solid
Percent Solids: 91.0

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	9.3	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Isophorone	<180		180	40	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Naphthalene	<36		36	5.5	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Phenanthrene	<36		36	5.0	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Phenol	<180		180	79	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1
Pyrene	<36		36	7.1	ug/Kg	☼	08/26/15 07:35	08/29/15 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*50*		*35 - 137*	*08/26/15 07:35*	*08/29/15 13:27*	*1*
2-Fluorobiphenyl	*90*		*25 - 119*	*08/26/15 07:35*	*08/29/15 13:27*	*1*
2-Fluorophenol	*87*		*25 - 110*	*08/26/15 07:35*	*08/29/15 13:27*	*1*
Nitrobenzene-d5	*79*		*25 - 115*	*08/26/15 07:35*	*08/29/15 13:27*	*1*
Phenol-d5	*85*		*31 - 110*	*08/26/15 07:35*	*08/29/15 13:27*	*1*
Terphenyl-d14	*91*		*36 - 134*	*08/26/15 07:35*	*08/29/15 13:27*	*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		08/27/15 09:40	08/27/15 18:58	1
Barium	**0.12**	**J**	0.50	0.050	mg/L		08/27/15 09:40	08/27/15 18:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 09:40	08/27/15 18:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 09:40	08/27/15 18:58	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:58	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:58	1
Copper	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:58	1
Iron	<0.20		0.20	0.20	mg/L		08/27/15 09:40	08/27/15 18:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/27/15 09:40	08/27/15 18:58	1
Manganese	**0.22**		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:58	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:58	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 09:40	08/27/15 18:58	1
Silver	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 18:58	1
Zinc	**0.13**		0.10	0.020	mg/L		08/27/15 09:40	08/27/15 18:58	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		08/27/15 10:40	08/28/15 13:59	1
Barium	<0.50		0.50	0.050	mg/L		08/27/15 10:40	08/28/15 13:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 10:40	08/28/15 13:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 10:40	08/28/15 13:59	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 13:59	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 13:59	1
Copper	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 13:59	1
Iron	**8.4**		0.20	0.20	mg/L		08/27/15 10:40	08/28/15 13:59	1
Lead	**0.012**		0.0075	0.0075	mg/L		08/27/15 10:40	08/28/15 13:59	1
Manganese	**0.054**		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 13:59	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 13:59	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 10:40	08/28/15 13:59	1

Client Sample ID: MM-13(0-6)-082015D
Date Collected: 08/20/15 08:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-5
Matrix: Solid
Percent Solids: 91.0

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		08/27/15 10:40	08/28/15 13:59	1
Zinc	**0.040**	**J**	0.10	0.020	mg/L		08/27/15 10:40	08/28/15 13:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Arsenic	**2.9**		0.55	0.25	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Barium	**11**		0.55	0.10	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Beryllium	**0.16**	**J**	0.22	0.047	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Cadmium	**0.082**	**J**	0.11	0.032	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Calcium	**1800**	**B**	11	3.5	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Chromium	**3.5**		0.55	0.094	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Cobalt	**1.6**		0.27	0.062	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Copper	**2.3**		0.55	0.12	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Iron	**4000**		11	4.2	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Lead	**3.7**		0.27	0.14	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Magnesium	**1300**		5.5	2.2	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Manganese	**36**		0.55	0.11	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Nickel	**3.2**		0.55	0.15	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Potassium	**200**		27	4.5	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Sodium	**450**		55	7.2	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Vanadium	**8.4**		0.27	0.080	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	1
Zinc	**13**	**B**	1.1	0.35	mg/Kg	☼	08/23/15 18:49	08/24/15 22:49	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		08/27/15 16:15	08/28/15 11:20	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		08/27/15 16:15	08/28/15 10:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**18**		18	6.4	ug/Kg	☼	08/26/15 19:00	08/27/15 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.49**		0.200	0.200	SU			08/25/15 13:57	1

Client Sample ID: MM-14(0-6)-082015
Date Collected: 08/20/15 09:20
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-6
Matrix: Solid
Percent Solids: 90.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/27/15 20:26	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 20:26	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		08/27/15 20:26	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:26	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 20:26	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 20:26	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 20:26	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:26	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		08/27/15 20:26	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:26	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:26	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:26	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:26	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		08/27/15 20:26	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:26	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/27/15 20:26	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 20:26	1
1,2-Dichloropropane	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 20:26	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		08/27/15 20:26	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 20:26	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		08/27/15 20:26	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		08/27/15 20:26	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 20:26	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:26	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:26	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:26	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		08/27/15 20:26	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 20:26	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		08/27/15 20:26	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 20:26	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		08/27/15 20:26	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:26	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 20:26	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 20:26	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 20:26	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/27/15 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*08/27/15 20:26*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/27/15 20:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 134*		*08/27/15 20:26*	*1*
Toluene-d8 (Surr)	*87*		*75 - 122*		*08/27/15 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	<920		920	200	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
1,2-Dichlorobenzene	<920		920	220	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
1,3-Dichlorobenzene	<920		920	210	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
1,4-Dichlorobenzene	<920		920	230	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2,2'-oxybis[1-chloropropane]	<920		920	210	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5

Client Sample ID: MM-14(0-6)-082015
Date Collected: 08/20/15 09:20
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-6
Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	420	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2,4,6-Trichlorophenol	<1800		1800	630	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2,4-Dichlorophenol	<1800		1800	430	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2,4-Dimethylphenol	<1800		1800	690	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2,4-Dinitrophenol	<3700		3700	3200	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2,4-Dinitrotoluene	<920		920	290	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2,6-Dinitrotoluene	<920		920	360	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2-Chloronaphthalene	<920		920	200	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2-Chlorophenol	<920		920	310	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2-Methylnaphthalene	<180		180	34	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2-Methylphenol	<920		920	290	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2-Nitroaniline	<920		920	250	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
2-Nitrophenol	<1800		1800	430	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
3 & 4 Methylphenol	<920		920	310	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
3,3'-Dichlorobenzidine	<920		920	260	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
3-Nitroaniline	<1800		1800	570	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
4,6-Dinitro-2-methylphenol	<1800		1800	1500	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
4-Bromophenyl phenyl ether	<920		920	240	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
4-Chloro-3-methylphenol	<1800		1800	620	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
4-Chloroaniline	<3700		3700	860	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
4-Chlorophenyl phenyl ether	<920		920	210	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
4-Nitroaniline	<1800		1800	770	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
4-Nitrophenol	<3700		3700	1700	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Acenaphthene	**220**		180	33	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Acenaphthylene	<180		180	24	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Anthracene	**330**		180	31	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Benzo[a]anthracene	**730**		180	25	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Benzo[a]pyrene	**540**		180	35	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Benzo[b]fluoranthene	**860**		180	39	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Benzo[g,h,i]perylene	**150**	**J**	180	59	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Benzo[k]fluoranthene	**330**		180	54	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Bis(2-chloroethoxy)methane	<920		920	190	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Bis(2-chloroethyl)ether	<920		920	270	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Bis(2-ethylhexyl) phthalate	<920		920	330	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Butyl benzyl phthalate	<920		920	350	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Carbazole	<920		920	460	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Chrysene	**760**		180	50	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Dibenz(a,h)anthracene	**72**	**J**	180	35	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Dibenzofuran	<920		920	210	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Diethyl phthalate	<920		920	310	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Dimethyl phthalate	<920		920	240	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Di-n-butyl phthalate	<920		920	280	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Di-n-octyl phthalate	<920		920	300	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Fluoranthene	**1500**		180	34	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Fluorene	**190**		180	26	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Hexachlorobenzene	<370		370	42	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Hexachlorobutadiene	<920		920	290	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Hexachlorocyclopentadiene	<3700		3700	1100	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Hexachloroethane	<920		920	280	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5

Client Sample ID: MM-14(0-6)-082015
Date Collected: 08/20/15 09:20
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-6
Matrix: Solid
Percent Solids: 90.3

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	**210**		180	47	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Isophorone	<920		920	210	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Naphthalene	**44**	**J**	180	28	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Nitrobenzene	<180		180	46	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
N-Nitrosodi-n-propylamine	<920		920	220	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
N-Nitrosodiphenylamine	<920		920	220	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Pentachlorophenol	<3700		3700	2900	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Phenanthrene	**1400**		180	26	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Phenol	<920		920	410	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5
Pyrene	**1200**		180	36	ug/Kg	☼	08/26/15 07:35	08/29/15 13:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*24*	*X*	*35 - 137*	*08/26/15 07:35*	*08/29/15 13:52*	*5*
2-Fluorobiphenyl	*108*		*25 - 119*	*08/26/15 07:35*	*08/29/15 13:52*	*5*
2-Fluorophenol	*92*		*25 - 110*	*08/26/15 07:35*	*08/29/15 13:52*	*5*
Nitrobenzene-d5	*80*		*25 - 115*	*08/26/15 07:35*	*08/29/15 13:52*	*5*
Phenol-d5	*86*		*31 - 110*	*08/26/15 07:35*	*08/29/15 13:52*	*5*
Terphenyl-d14	*113*		*36 - 134*	*08/26/15 07:35*	*08/29/15 13:52*	*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		08/27/15 09:40	08/27/15 19:05	1
Barium	**0.18**	**J**	0.50	0.050	mg/L		08/27/15 09:40	08/27/15 19:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 09:40	08/27/15 19:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 09:40	08/27/15 19:05	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:05	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:05	1
Copper	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:05	1
Iron	<0.20		0.20	0.20	mg/L		08/27/15 09:40	08/27/15 19:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/27/15 09:40	08/27/15 19:05	1
Manganese	**0.55**		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:05	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:05	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 09:40	08/27/15 19:05	1
Silver	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:05	1
Zinc	**0.028**	**J**	0.10	0.020	mg/L		08/27/15 09:40	08/27/15 19:05	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		08/27/15 10:40	08/28/15 14:21	1
Barium	**0.14**	**J**	0.50	0.050	mg/L		08/27/15 10:40	08/28/15 14:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 10:40	08/28/15 14:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 10:40	08/28/15 14:21	1
Chromium	**0.023**	**J**	0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:21	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:21	1
Copper	**0.026**		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:21	1
Iron	**13**		0.20	0.20	mg/L		08/27/15 10:40	08/28/15 14:21	1
Lead	**0.059**		0.0075	0.0075	mg/L		08/27/15 10:40	08/28/15 14:21	1
Manganese	**0.14**		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:21	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:21	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 10:40	08/28/15 14:21	1

Client Sample ID: MM-14(0-6)-082015
Date Collected: 08/20/15 09:20
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-6
Matrix: Solid
Percent Solids: 90.3

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		08/27/15 10:40	08/28/15 14:21	1
Zinc	**0.20**		0.10	0.020	mg/L		08/27/15 10:40	08/28/15 14:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.36**	**J**	1.1	0.23	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Arsenic	**2.8**		0.55	0.25	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Barium	**19**		0.55	0.10	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Beryllium	**0.22**		0.22	0.047	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Cadmium	**0.17**		0.11	0.032	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Calcium	**13000**	**B**	11	3.5	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Chromium	**4.2**		0.55	0.094	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Cobalt	**1.7**		0.27	0.062	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Copper	**4.8**		0.55	0.12	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Iron	**4600**		11	4.2	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Lead	**15**		0.27	0.14	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Magnesium	**7800**		5.5	2.2	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Manganese	**58**		0.55	0.11	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Nickel	**4.0**		0.55	0.15	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Potassium	**300**		27	4.4	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Sodium	**520**		55	7.2	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Vanadium	**8.3**		0.27	0.080	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	1
Zinc	**25**	**B**	1.1	0.35	mg/Kg	☼	08/23/15 18:49	08/24/15 22:53	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		08/27/15 16:15	08/28/15 11:22	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		08/27/15 16:15	08/28/15 10:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17**	**J**	18	6.3	ug/Kg	☼	08/26/15 19:00	08/27/15 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.97**		0.200	0.200	SU			08/25/15 14:00	1

Client Sample ID: MM-12(0-6)-082015
Date Collected: 08/20/15 10:32
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-10
Matrix: Solid
Percent Solids: 87.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		08/27/15 22:02	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		08/27/15 22:02	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	☼		08/27/15 22:02	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 22:02	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		08/27/15 22:02	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		08/27/15 22:02	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 22:02	1
Chlorobenzene	<5.7		5.7	1.4	ug/Kg	☼		08/27/15 22:02	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		08/27/15 22:02	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		08/27/15 22:02	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		08/27/15 22:02	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 22:02	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		08/27/15 22:02	1
Dibromochloromethane	<5.7		5.7	0.66	ug/Kg	☼		08/27/15 22:02	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 22:02	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/27/15 22:02	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		08/27/15 22:02	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		08/27/15 22:02	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		08/27/15 22:02	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		08/27/15 22:02	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		08/27/15 22:02	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		08/27/15 22:02	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		08/27/15 22:02	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 22:02	1
Methyl tert-butyl ether	<5.7		5.7	1.4	ug/Kg	☼		08/27/15 22:02	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		08/27/15 22:02	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.91	ug/Kg	☼		08/27/15 22:02	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 22:02	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		08/27/15 22:02	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		08/27/15 22:02	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		08/27/15 22:02	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		08/27/15 22:02	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		08/27/15 22:02	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		08/27/15 22:02	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		08/27/15 22:02	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		08/27/15 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 122*		*08/27/15 22:02*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/27/15 22:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 134*		*08/27/15 22:02*	*1*
Toluene-d8 (Surr)	*87*		*75 - 122*		*08/27/15 22:02*	*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	☼	08/26/15 17:36	08/31/15 13:54	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1

Client Sample ID: MM-12(0-6)-082015
Date Collected: 08/20/15 10:32
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-10
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	85	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2,4-Dinitrophenol	<750	*	750	660	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
4-Nitrophenol	<750		750	360	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Anthracene	**8.6**	**J**	37	6.2	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Benzo[a]anthracene	**54**		37	5.0	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Benzo[a]pyrene	**55**		37	7.2	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Benzo[b]fluoranthene	**100**		37	8.1	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Benzo[g,h,i]perylene	**23**	**J**	37	12	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Benzo[k]fluoranthene	**49**		37	11	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Carbazole	<190		190	93	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Chrysene	**61**		37	10	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Fluoranthene	**110**		37	6.9	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Hexachlorobenzene	<75		75	8.7	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Hexachlorocyclopentadiene	<750		750	220	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1

Client Sample ID: MM-12(0-6)-082015
Date Collected: 08/20/15 10:32
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-10
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	**24**	**J**	37	9.7	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Isophorone	<190		190	42	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Naphthalene	<37		37	5.8	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Phenanthrene	**57**		37	5.2	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Phenol	<190		190	83	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1
Pyrene	**120**		37	7.4	ug/Kg	☼	08/26/15 17:36	08/31/15 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*35 - 137*	*08/26/15 17:36*	*08/31/15 13:54*	*1*
2-Fluorobiphenyl	*99*		*25 - 119*	*08/26/15 17:36*	*08/31/15 13:54*	*1*
2-Fluorophenol	*108*		*25 - 110*	*08/26/15 17:36*	*08/31/15 13:54*	*1*
Nitrobenzene-d5	*85*		*25 - 115*	*08/26/15 17:36*	*08/31/15 13:54*	*1*
Phenol-d5	*94*		*31 - 110*	*08/26/15 17:36*	*08/31/15 13:54*	*1*
Terphenyl-d14	*154*	*X*	*36 - 134*	*08/26/15 17:36*	*08/31/15 13:54*	*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		08/27/15 09:40	08/27/15 19:32	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		08/27/15 09:40	08/27/15 19:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 09:40	08/27/15 19:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 09:40	08/27/15 19:32	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:32	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:32	1
Copper	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:32	1
Iron	<0.20		0.20	0.20	mg/L		08/27/15 09:40	08/27/15 19:32	1
Lead	**0.0090**		0.0075	0.0075	mg/L		08/27/15 09:40	08/27/15 19:32	1
Manganese	**0.64**		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:32	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:32	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 09:40	08/27/15 19:32	1
Silver	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:32	1
Zinc	**0.055**	**J**	0.10	0.020	mg/L		08/27/15 09:40	08/27/15 19:32	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		08/27/15 10:40	08/28/15 14:49	1
Barium	**0.060**	**J**	0.50	0.050	mg/L		08/27/15 10:40	08/28/15 14:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 10:40	08/28/15 14:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 10:40	08/28/15 14:49	1
Chromium	**0.015**	**J**	0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:49	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:49	1
Copper	**0.019**	**J**	0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:49	1
Iron	**6.4**		0.20	0.20	mg/L		08/27/15 10:40	08/28/15 14:49	1
Lead	**0.048**		0.0075	0.0075	mg/L		08/27/15 10:40	08/28/15 14:49	1
Manganese	**0.091**		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:49	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:49	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 10:40	08/28/15 14:49	1

Client Sample ID: MM-12(0-6)-082015
Date Collected: 08/20/15 10:32
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-10
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		08/27/15 10:40	08/28/15 14:49	1
Zinc	**0.14**		0.10	0.020	mg/L		08/27/15 10:40	08/28/15 14:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Arsenic	**3.0**		0.57	0.26	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Barium	**9.8**		0.57	0.10	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Beryllium	**0.19**	**J**	0.23	0.049	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Cadmium	**0.15**		0.11	0.033	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Calcium	**8300**	**B**	11	3.7	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Chromium	**4.2**		0.57	0.098	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Cobalt	**1.9**		0.29	0.065	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Copper	**4.0**		0.57	0.12	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Iron	**4100**		11	4.4	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Lead	**16**		0.29	0.14	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Magnesium	**5000**		5.7	2.3	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Manganese	**60**		0.57	0.11	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Nickel	**4.2**		0.57	0.15	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Potassium	**270**		29	4.7	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Sodium	**550**		57	7.5	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Vanadium	**7.5**		0.29	0.083	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	1
Zinc	**27**	**B**	1.1	0.36	mg/Kg	☼	08/23/15 18:49	08/24/15 23:17	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		08/27/15 16:15	08/28/15 11:34	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		08/27/15 16:15	08/28/15 10:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15**	**J**	17	5.8	ug/Kg	☼	08/26/15 19:00	08/27/15 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.53**		0.200	0.200	SU			08/25/15 14:12	1

Client Sample ID: MM-11(0-6)-082015
Date Collected: 08/20/15 10:45
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-11
Matrix: Solid
Percent Solids: 91.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		08/27/15 22:26	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 22:26	1
Bromodichloromethane	<5.5		5.5	0.92	ug/Kg	☼		08/27/15 22:26	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:26	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 22:26	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 22:26	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 22:26	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:26	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		08/27/15 22:26	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:26	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:26	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:26	1
cis-1,3-Dichloropropene	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 22:26	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		08/27/15 22:26	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:26	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		08/27/15 22:26	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 22:26	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 22:26	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 22:26	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 22:26	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		08/27/15 22:26	1
Methylene Chloride	<5.5		5.5	4.1	ug/Kg	☼		08/27/15 22:26	1
Methyl Ethyl Ketone	<5.5		5.5	1.9	ug/Kg	☼		08/27/15 22:26	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:26	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:26	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:26	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/27/15 22:26	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:26	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		08/27/15 22:26	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 22:26	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 22:26	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:26	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:26	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 22:26	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:26	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/27/15 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*		*08/27/15 22:26*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*08/27/15 22:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 134*		*08/27/15 22:26*	*1*
Toluene-d8 (Surr)	*91*		*75 - 122*		*08/27/15 22:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1

Client Sample ID: MM-11(0-6)-082015
Date Collected: 08/20/15 10:45
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-11
Matrix: Solid
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2,4-Dinitrophenol	<720	*	720	630	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2-Methylnaphthalene	<35		35	6.6	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
4,6-Dinitro-2-methylphenol	<350		350	290	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Anthracene	<35		35	6.0	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Benzo[a]anthracene	**17**	**J**	35	4.8	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Benzo[a]pyrene	**21**	**J**	35	6.9	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Benzo[b]fluoranthene	**35**		35	7.7	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Benzo[g,h,i]perylene	**16**	**J**	35	11	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Benzo[k]fluoranthene	**20**	**J**	35	10	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Carbazole	<180		180	89	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Chrysene	**22**	**J**	35	9.7	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Fluoranthene	**30**	**J**	35	6.6	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Fluorene	<35		35	5.0	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1

Client Sample ID: MM-11(0-6)-082015
Date Collected: 08/20/15 10:45
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-11
Matrix: Solid
Percent Solids: 91.4

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	**10**	**J**	35	9.2	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Isophorone	<180		180	40	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Naphthalene	<35		35	5.5	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Phenanthrene	**14**	**J**	35	5.0	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Phenol	<180		180	79	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1
Pyrene	**38**		35	7.1	ug/Kg	☼	08/26/15 17:36	08/31/15 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*51*		*35 - 137*	*08/26/15 17:36*	*08/31/15 14:20*	*1*
2-Fluorobiphenyl	*89*		*25 - 119*	*08/26/15 17:36*	*08/31/15 14:20*	*1*
2-Fluorophenol	*93*		*25 - 110*	*08/26/15 17:36*	*08/31/15 14:20*	*1*
Nitrobenzene-d5	*75*		*25 - 115*	*08/26/15 17:36*	*08/31/15 14:20*	*1*
Phenol-d5	*80*		*31 - 110*	*08/26/15 17:36*	*08/31/15 14:20*	*1*
Terphenyl-d14	*130*		*36 - 134*	*08/26/15 17:36*	*08/31/15 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		08/27/15 09:40	08/27/15 19:38	1
Barium	**0.066**	**J**	0.50	0.050	mg/L		08/27/15 09:40	08/27/15 19:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 09:40	08/27/15 19:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 09:40	08/27/15 19:38	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:38	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:38	1
Copper	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:38	1
Iron	<0.20		0.20	0.20	mg/L		08/27/15 09:40	08/27/15 19:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/27/15 09:40	08/27/15 19:38	1
Manganese	**0.42**		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:38	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:38	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 09:40	08/27/15 19:38	1
Silver	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:38	1
Zinc	**0.36**		0.10	0.020	mg/L		08/27/15 09:40	08/27/15 19:38	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		08/27/15 10:40	08/28/15 14:55	1
Barium	<0.50		0.50	0.050	mg/L		08/27/15 10:40	08/28/15 14:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 10:40	08/28/15 14:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 10:40	08/28/15 14:55	1
Chromium	**0.012**	**J**	0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:55	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:55	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:55	1
Iron	**5.4**		0.20	0.20	mg/L		08/27/15 10:40	08/28/15 14:55	1
Lead	**0.011**		0.0075	0.0075	mg/L		08/27/15 10:40	08/28/15 14:55	1
Manganese	**0.059**		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:55	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:55	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 10:40	08/28/15 14:55	1

Client Sample ID: MM-11(0-6)-082015
Date Collected: 08/20/15 10:45
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-11
Matrix: Solid
Percent Solids: 91.4

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		08/27/15 10:40	08/28/15 14:55	1
Zinc	**0.083**	**J**	0.10	0.020	mg/L		08/27/15 10:40	08/28/15 14:55	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	☼	08/23/15 18:49	08/24/15 23:21	1
Arsenic	**3.6**		0.54	0.25	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Barium	**6.8**		0.54	0.099	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Beryllium	**0.15**	**J**	0.22	0.047	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Cadmium	**0.10**	**J**	0.11	0.031	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Calcium	**9200**	**B**	11	3.5	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Chromium	**3.8**		0.54	0.093	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Cobalt	**2.1**		0.27	0.061	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Copper	**3.2**		0.54	0.12	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Iron	**3800**		11	4.2	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Lead	**6.2**		0.27	0.13	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Magnesium	**5800**		5.4	2.2	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Manganese	**51**		0.54	0.11	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Nickel	**4.0**		0.54	0.15	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Potassium	**260**		27	4.4	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Sodium	**490**		54	7.1	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Vanadium	**7.2**		0.27	0.079	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	1
Zinc	**17**	**B**	1.1	0.34	mg/Kg	☼	08/23/15 18:49	08/24/15 23:21	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		08/27/15 16:15	08/28/15 11:36	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		08/27/15 16:15	08/28/15 10:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**8.5**	**J**	18	6.2	ug/Kg	☼	08/26/15 19:00	08/27/15 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.93**		0.200	0.200	SU			08/25/15 14:15	1

Client Sample ID: MM-10(0-6)-082015
Date Collected: 08/20/15 10:57
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-12
Matrix: Solid
Percent Solids: 90.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/27/15 22:50	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 22:50	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		08/27/15 22:50	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:50	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 22:50	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 22:50	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 22:50	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:50	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		08/27/15 22:50	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:50	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:50	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:50	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:50	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		08/27/15 22:50	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:50	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/27/15 22:50	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 22:50	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 22:50	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		08/27/15 22:50	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 22:50	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		08/27/15 22:50	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		08/27/15 22:50	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 22:50	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:50	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:50	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:50	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		08/27/15 22:50	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:50	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		08/27/15 22:50	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 22:50	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		08/27/15 22:50	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:50	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 22:50	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 22:50	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 22:50	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/27/15 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*08/27/15 22:50*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/27/15 22:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*08/27/15 22:50*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/27/15 22:50*	*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	☼	08/26/15 17:36	08/31/15 14:45	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1

Client Sample ID: MM-10(0-6)-082015
Date Collected: 08/20/15 10:57
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-12
Matrix: Solid
Percent Solids: 90.6

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	☼	08/26/15 17:36	08/31/15 14:45	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2,4-Dinitrophenol	<720	*	720	630	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2-Methylnaphthalene	**15**	**J**	36	6.6	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2-Methylphenol	<180		180	57	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Anthracene	<36		36	6.0	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Benzo[a]anthracene	**7.5**	**J**	36	4.8	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Benzo[a]pyrene	**7.4**	**J**	36	6.9	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Benzo[b]fluoranthene	**14**	**J**	36	7.7	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Benzo[g,h,i]perylene	**12**	**J**	36	12	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Carbazole	<180		180	89	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Chrysene	**9.8**	**J**	36	9.8	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Dibenz(a,h)anthracene	<36		36	6.9	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Fluoranthene	**9.8**	**J**	36	6.6	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Fluorene	<36		36	5.0	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1

Client Sample ID: MM-10(0-6)-082015
Date Collected: 08/20/15 10:57
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-12
Matrix: Solid
Percent Solids: 90.6

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	<36		36	9.3	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Isophorone	<180		180	40	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Naphthalene	**9.4**	**J**	36	5.5	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Phenanthrene	**17**	**J**	36	5.0	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Phenol	<180		180	80	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1
Pyrene	**18**	**J**	36	7.1	ug/Kg	☼	08/26/15 17:36	08/31/15 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*35 - 137*	*08/26/15 17:36*	*08/31/15 14:45*	*1*
2-Fluorobiphenyl	*100*		*25 - 119*	*08/26/15 17:36*	*08/31/15 14:45*	*1*
2-Fluorophenol	*104*		*25 - 110*	*08/26/15 17:36*	*08/31/15 14:45*	*1*
Nitrobenzene-d5	*86*		*25 - 115*	*08/26/15 17:36*	*08/31/15 14:45*	*1*
Phenol-d5	*102*		*31 - 110*	*08/26/15 17:36*	*08/31/15 14:45*	*1*
Terphenyl-d14	*166*	*X*	*36 - 134*	*08/26/15 17:36*	*08/31/15 14:45*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/27/15 09:40	08/27/15 20:01	1
Barium	**0.071**	**J**	0.50	0.050	mg/L		08/27/15 09:40	08/27/15 20:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 09:40	08/27/15 20:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 09:40	08/27/15 20:01	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 20:01	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 20:01	1
Copper	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 20:01	1
Iron	<0.20		0.20	0.20	mg/L		08/27/15 09:40	08/27/15 20:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/27/15 09:40	08/27/15 20:01	1
Manganese	**0.33**		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 20:01	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 20:01	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 09:40	08/27/15 20:01	1
Silver	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 20:01	1
Zinc	**0.025**	**J**	0.10	0.020	mg/L		08/27/15 09:40	08/27/15 20:01	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		08/27/15 10:40	08/28/15 15:02	1
Barium	<0.50		0.50	0.050	mg/L		08/27/15 10:40	08/28/15 15:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 10:40	08/28/15 15:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 10:40	08/28/15 15:02	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 15:02	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 15:02	1
Copper	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 15:02	1
Iron	**1.5**		0.20	0.20	mg/L		08/27/15 10:40	08/28/15 15:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/27/15 10:40	08/28/15 15:02	1
Manganese	**0.014**	**J**	0.025	0.010	mg/L		08/27/15 10:40	08/28/15 15:02	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 15:02	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 10:40	08/28/15 15:02	1

Client Sample ID: MM-10(0-6)-082015
Date Collected: 08/20/15 10:57
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-12
Matrix: Solid
Percent Solids: 90.6

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		08/27/15 10:40	08/28/15 15:02	1
Zinc	**0.062**	**J**	0.10	0.020	mg/L		08/27/15 10:40	08/28/15 15:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.23**	**J**	1.0	0.21	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Arsenic	**2.4**		0.52	0.24	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Barium	**8.2**		0.52	0.095	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Beryllium	**0.16**	**J**	0.21	0.045	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Cadmium	**0.10**		0.10	0.030	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Calcium	**7100**	**B**	10	3.3	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Chromium	**3.5**		0.52	0.089	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Cobalt	**1.5**		0.26	0.058	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Copper	**2.3**		0.52	0.11	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Iron	**3700**		10	4.0	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Lead	**4.8**		0.26	0.13	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Magnesium	**4500**		5.2	2.1	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Manganese	**29**		0.52	0.10	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Nickel	**3.3**		0.52	0.14	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Potassium	**240**		26	4.2	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Selenium	**0.40**	**J**	0.52	0.26	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Sodium	**830**		52	6.8	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Thallium	<0.52		0.52	0.25	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Vanadium	**7.7**		0.26	0.075	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	1
Zinc	**14**	**B**	1.0	0.33	mg/Kg	☼	08/23/15 18:49	08/24/15 23:25	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		08/27/15 16:15	08/28/15 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/27/15 16:15	08/28/15 10:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**11**	**J**	18	6.3	ug/Kg	☼	08/26/15 19:00	08/27/15 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.38**		0.200	0.200	SU			08/25/15 14:18	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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.
B	Compound was found in the blank and sample.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100183-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTA

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

500-100183 COC

Chain of Custody Record

Lab Job #: 500-100183

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.8

Report To (optional)		Bill To (optional)	
Contact:	S Babu Sukumar	Contact:	SAME
Company:	Weston Solutions Inc.	Company:	
Address:	300 Plaza Circle, Ste 202	Address:	
Address:	Lindelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7236	Fax:	
E-Mail:	S.BabuSukumar@WestonSolutions.com	PO#/Reference#	

Client	Client Project #
Weston Solutions	02056.024.026.0080
Project Name	
IDOT 026-Thorton-Lansing Road	
Project Location/State	Lab Project #
Lansing, IL	
Sampler	Lab PM
M. Doheny-Skubic	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
1		BU-2(0-6)-082015	8-20-15	0800	2	S		X	X	X	X	X	
2		BU-3(0-6)-082015		0815									
3		BU-4(0-6)-082015		0833									
4		MM-13(0-6)-082015		0855									
5		MM-13(0-6)-082015D		0855									
6		MM-14(0-6)-082015		0920									
7		BU-1(0-6)-082015		0937									
8		R1-2(0-6)-082015		0955									
9		R1-1(0-6)-082015		1015									
10		MM-12(0-6)-082015	8-20-15	1032	2	S		X	X	X	X	X	

Turnaround Time Required (Business Days)

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

Requested Due Date _____

Sample Disposal: [ ] Return to Client [ ] 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
Matthew Doheny	Weston	8-20-15	1205		TA	8/20/15	12:05
	TA	8/20/15	13:40		TA-CHI	8/20/15	1340

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-100163

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: S. Babusukumar	Contact: SAME
Company: Weston Solutions Inc.	Company:
Address: 300 Plaza Circle, Ste 202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7250	Phone:
Fax: 224-864-7234	Fax:
E-Mail: S.BabusuKumar@WestonSolutions.com	PO#/Reference#

Client	Client Project #
WestonSolutions	02056.014.026.0030
Project Name	
IDOT 026-Thorton-Lansing Road	
Project Location/State	Lab Project #
Lansing, IL	
Sampler	Lab PM
M. Dohony-SK-bic	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		MM-11(0-6)-082015	8-20-15	1045	2	S		X	X	X	X	X	
12		MM-10(0-6)-082015	8-20-15	1057	2	S		X	X	X	X	X	
*													*LAST ITEM

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days (7 Days) ___10 Days ___15 Days ~~Standard~~ Other

Requested Due Date

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	8-20-15	1205	[illegible]	TA	8/20/15	1205
[illegible]	TA	8/20/15	13:40	[illegible]	TA-CHI	8/20/15	1340
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: FA

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:

8/31/2015

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island Ave Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
1692 to 1694 Thornton-Lansing Road (ISGS Site No. 997V2-8)

City: Lansing State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.570993407 (Decimal Degrees) Longitude: -87.578254622 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island

Latitude: 41.570993407 Longitude: -87.578254622

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS R1-1 AND R1-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 997V2-8. SEE FIGURE 3-3 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-100183-1.
ALSO SEE FIGURE 4-3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

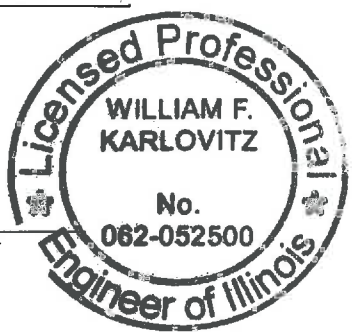
Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

16 Dec. 2016
Date:

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



Summary Table of ISGS Site No. 997V2-8
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	R1-1(0-6)-082015	R1-2(0-6)-082015	**Soil Reference Concentrations[A]**
Sample Date	8/20/2015	8/20/2015	
Location ID	R1-1	R1-2	
Depth	0 - 6	0 - 6	
ISGS Site No.	997V2-8	997V2-8	
Parameter			
Laboratory pH (s.u.)	7.65	8.28	<6.25, >9.0
SVOCs (ug/kg)			
Phenanthrene	7.3 J	7.7 J	---
Pyrene	8.5 J	8.5 J	2300000
Total Metals (mg/kg)			
Antimony, Total	ND	0.28 J	5
Arsenic, Total	3.8	2.1	11.3 / 13
Barium, Total	17	8.8	1500
Beryllium, Total	0.24	0.31	22
Cadmium, Total	0.073 J	0.075 J	5.2
Calcium, Total	1400 B	2900 B	---
Chromium, Total	5	3	21
Cobalt, Total	1.8	1.4	20
Copper, Total	3.7	2.5	2900
Iron, Total	7000	2700	15000 / 15900
Lead, Total	5.2	4	107
Magnesium, Total	1100	1800	325000
Manganese, Total	30	23	630 / 636
Mercury, Total	0.012 J	0.011 J	0.89
Nickel, Total	3.7	3.3	100
Potassium, Total	380	260	---
Selenium, Total	0.58 J	ND	1.3
Sodium, Total	850	650	---
Vanadium, Total	16	5.9	550
Zinc, Total	12 B	11 B	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.098 J	0.078 J	2
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	ND	ND	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	ND	ND	1
Copper, TCLP	ND	ND	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	0.12	0.16	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	ND	0.1
Zinc, TCLP	0.9	ND	5
SPLP Metals (mg/l)			
Arsenic, SPLP	ND	ND	0.05
Barium, SPLP	0.053 J	0.054 J	2
Beryllium, SPLP	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	0.011 J	ND	0.1
Cobalt, SPLP	ND	ND	1
Copper, SPLP	0.015 J	0.012 J	0.65
Iron, SPLP	4.9	1.4	5
Lead, SPLP	0.0076	ND	0.0075
Manganese, SPLP	0.028	0.016 J	0.15
Mercury, SPLP	ND	ND	0.002
Zinc, SPLP	0.078 J	0.18	5

Notes:

--- - not applicable or value not available.

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

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-100183-1
Client Project/Site: IDOT - Lansing - WO 026

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

Attn: Mr. S. Babusukumar

Authorized for release by:
8/31/2015 5:03:29 PM

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

Client Sample ID: R1-2(0-6)-082015
Date Collected: 08/20/15 09:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-8
Matrix: Solid
Percent Solids: 85.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		08/27/15 21:14	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		08/27/15 21:14	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		08/27/15 21:14	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 21:14	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 21:14	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 21:14	1
Carbon tetrachloride	<5.8		5.8	1.3	ug/Kg	☼		08/27/15 21:14	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 21:14	1
Chloroethane	<5.8		5.8	2.5	ug/Kg	☼		08/27/15 21:14	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		08/27/15 21:14	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 21:14	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 21:14	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		08/27/15 21:14	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		08/27/15 21:14	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 21:14	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		08/27/15 21:14	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 21:14	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		08/27/15 21:14	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		08/27/15 21:14	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 21:14	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		08/27/15 21:14	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		08/27/15 21:14	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 21:14	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 21:14	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 21:14	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 21:14	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.93	ug/Kg	☼		08/27/15 21:14	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 21:14	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		08/27/15 21:14	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		08/27/15 21:14	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		08/27/15 21:14	1
1,1,1-Trichloroethane	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 21:14	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		08/27/15 21:14	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		08/27/15 21:14	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 21:14	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		08/27/15 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*08/27/15 21:14*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*08/27/15 21:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*08/27/15 21:14*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*08/27/15 21:14*	*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	☼	08/26/15 17:36	08/31/15 12:13	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1

Client Sample ID: R1-2(0-6)-082015
Date Collected: 08/20/15 09:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-8
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	☼	08/26/15 17:36	08/31/15 12:13	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2,4-Dinitrophenol	<760	F2 *	760	660	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
3,3'-Dichlorobenzidine	<190	F2	190	53	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
4,6-Dinitro-2-methylphenol	<370	F2	370	300	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Anthracene	<37		37	6.3	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Benzo[b]fluoranthene	<37	F1	37	8.1	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Benzo[g,h,i]perylene	<37	F1	37	12	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Benzo[k]fluoranthene	<37	F1	37	11	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Bis(2-ethylhexyl) phthalate	<190	F1	190	69	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Butyl benzyl phthalate	<190	F1	190	72	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Carbazole	<190		190	94	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Chrysene	<37		37	10	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Di-n-octyl phthalate	<190	F1	190	61	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Hexachlorocyclopentadiene	<760	F1	760	220	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1

Client Sample ID: R1-2(0-6)-082015
Date Collected: 08/20/15 09:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-8
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	9.8	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Isophorone	<190		190	42	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Naphthalene	<37		37	5.8	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Phenanthrene	**7.7**	**J**	37	5.3	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Phenol	<190		190	84	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1
Pyrene	**8.5**	**J F1**	37	7.5	ug/Kg	☼	08/26/15 17:36	08/31/15 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*35 - 137*	*08/26/15 17:36*	*08/31/15 12:13*	*1*
2-Fluorobiphenyl	*98*		*25 - 119*	*08/26/15 17:36*	*08/31/15 12:13*	*1*
2-Fluorophenol	*102*		*25 - 110*	*08/26/15 17:36*	*08/31/15 12:13*	*1*
Nitrobenzene-d5	*88*		*25 - 115*	*08/26/15 17:36*	*08/31/15 12:13*	*1*
Phenol-d5	*96*		*31 - 110*	*08/26/15 17:36*	*08/31/15 12:13*	*1*
Terphenyl-d14	*118*		*36 - 134*	*08/26/15 17:36*	*08/31/15 12:13*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/27/15 09:40	08/27/15 19:18	1
Barium	**0.078**	**J**	0.50	0.050	mg/L		08/27/15 09:40	08/27/15 19:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 09:40	08/27/15 19:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 09:40	08/27/15 19:18	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:18	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:18	1
Copper	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:18	1
Iron	<0.20		0.20	0.20	mg/L		08/27/15 09:40	08/27/15 19:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/27/15 09:40	08/27/15 19:18	1
Manganese	**0.16**		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:18	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:18	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 09:40	08/27/15 19:18	1
Silver	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:18	1
Zinc	<0.10		0.10	0.020	mg/L		08/27/15 09:40	08/27/15 19:18	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		08/27/15 10:40	08/28/15 14:35	1
Barium	**0.054**	**J**	0.50	0.050	mg/L		08/27/15 10:40	08/28/15 14:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 10:40	08/28/15 14:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 10:40	08/28/15 14:35	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:35	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:35	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:35	1
Iron	**1.4**		0.20	0.20	mg/L		08/27/15 10:40	08/28/15 14:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/27/15 10:40	08/28/15 14:35	1
Manganese	**0.016**	**J**	0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:35	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:35	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 10:40	08/28/15 14:35	1

Client Sample ID: R1-2(0-6)-082015
Date Collected: 08/20/15 09:55
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-8
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		08/27/15 10:40	08/28/15 14:35	1
Zinc	**0.18**		0.10	0.020	mg/L		08/27/15 10:40	08/28/15 14:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.28**	**J**	1.1	0.23	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Arsenic	**2.1**		0.56	0.26	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Barium	**8.8**		0.56	0.10	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Beryllium	**0.31**		0.22	0.049	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Cadmium	**0.075**	**J**	0.11	0.033	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Calcium	**2900**	**B**	11	3.6	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Chromium	**3.0**		0.56	0.097	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Cobalt	**1.4**		0.28	0.063	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Copper	**2.5**		0.56	0.12	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Iron	**2700**		11	4.3	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Lead	**4.0**		0.28	0.14	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Magnesium	**1800**		5.6	2.3	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Manganese	**23**		0.56	0.11	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Nickel	**3.3**		0.56	0.15	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Potassium	**260**		28	4.6	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Sodium	**650**		56	7.4	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Vanadium	**5.9**		0.28	0.082	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	1
Zinc	**11**	**B**	1.1	0.36	mg/Kg	☼	08/23/15 18:49	08/24/15 23:02	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		08/27/15 16:15	08/28/15 11:30	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		08/27/15 16:15	08/28/15 10:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**11**	**J**	19	6.5	ug/Kg	☼	08/26/15 19:00	08/27/15 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.28**		0.200	0.200	SU			08/25/15 14:06	1

Client Sample ID: R1-1(0-6)-082015
Date Collected: 08/20/15 10:15
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-9
Matrix: Solid
Percent Solids: 83.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		08/27/15 21:38	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		08/27/15 21:38	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/27/15 21:38	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 21:38	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		08/27/15 21:38	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		08/27/15 21:38	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		08/27/15 21:38	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 21:38	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		08/27/15 21:38	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 21:38	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 21:38	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 21:38	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 21:38	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		08/27/15 21:38	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 21:38	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		08/27/15 21:38	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		08/27/15 21:38	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		08/27/15 21:38	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		08/27/15 21:38	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		08/27/15 21:38	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		08/27/15 21:38	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		08/27/15 21:38	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		08/27/15 21:38	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 21:38	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 21:38	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 21:38	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.96	ug/Kg	☼		08/27/15 21:38	1
Tetrachloroethene	<6.0		6.0	1.3	ug/Kg	☼		08/27/15 21:38	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		08/27/15 21:38	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		08/27/15 21:38	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		08/27/15 21:38	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 21:38	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 21:38	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		08/27/15 21:38	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 21:38	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		08/27/15 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*08/27/15 21:38*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*08/27/15 21:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*		*08/27/15 21:38*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/27/15 21:38*	*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	☼	08/26/15 17:36	08/31/15 13:29	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1

Client Sample ID: R1-1(0-6)-082015
Date Collected: 08/20/15 10:15
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-9
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	<390		390	90	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2,4-Dinitrophenol	<800	*	800	700	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2-Methylphenol	<200		200	64	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Anthracene	<39		39	6.6	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Benzo[b]fluoranthene	<39		39	8.6	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Carbazole	<200		200	99	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Chrysene	<39		39	11	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Fluoranthene	<39		39	7.4	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Fluorene	<39		39	5.6	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Hexachloroethane	<200		200	60	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1

Client Sample ID: R1-1(0-6)-082015
Date Collected: 08/20/15 10:15
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-9
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	<39		39	10	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Isophorone	<200		200	45	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Naphthalene	<39		39	6.1	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Phenanthrene	**7.3**	**J**	39	5.5	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Phenol	<200		200	88	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1
Pyrene	**8.5**	**J**	39	7.9	ug/Kg	☼	08/26/15 17:36	08/31/15 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*35 - 137*	*08/26/15 17:36*	*08/31/15 13:29*	*1*
2-Fluorobiphenyl	*93*		*25 - 119*	*08/26/15 17:36*	*08/31/15 13:29*	*1*
2-Fluorophenol	*96*		*25 - 110*	*08/26/15 17:36*	*08/31/15 13:29*	*1*
Nitrobenzene-d5	*79*		*25 - 115*	*08/26/15 17:36*	*08/31/15 13:29*	*1*
Phenol-d5	*96*		*31 - 110*	*08/26/15 17:36*	*08/31/15 13:29*	*1*
Terphenyl-d14	*136*	*X*	*36 - 134*	*08/26/15 17:36*	*08/31/15 13:29*	*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		08/27/15 09:40	08/27/15 19:25	1
Barium	**0.098**	**J**	0.50	0.050	mg/L		08/27/15 09:40	08/27/15 19:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 09:40	08/27/15 19:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 09:40	08/27/15 19:25	1
Chromium	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:25	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:25	1
Copper	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:25	1
Iron	<0.20		0.20	0.20	mg/L		08/27/15 09:40	08/27/15 19:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/27/15 09:40	08/27/15 19:25	1
Manganese	**0.12**		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:25	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:25	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 09:40	08/27/15 19:25	1
Silver	<0.025		0.025	0.010	mg/L		08/27/15 09:40	08/27/15 19:25	1
Zinc	**0.90**		0.10	0.020	mg/L		08/27/15 09:40	08/27/15 19:25	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		08/27/15 10:40	08/28/15 14:42	1
Barium	**0.053**	**J**	0.50	0.050	mg/L		08/27/15 10:40	08/28/15 14:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/27/15 10:40	08/28/15 14:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/27/15 10:40	08/28/15 14:42	1
Chromium	**0.011**	**J**	0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:42	1
Cobalt	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:42	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:42	1
Iron	**4.9**		0.20	0.20	mg/L		08/27/15 10:40	08/28/15 14:42	1
Lead	**0.0076**		0.0075	0.0075	mg/L		08/27/15 10:40	08/28/15 14:42	1
Manganese	**0.028**		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:42	1
Nickel	<0.025		0.025	0.010	mg/L		08/27/15 10:40	08/28/15 14:42	1
Selenium	<0.050		0.050	0.020	mg/L		08/27/15 10:40	08/28/15 14:42	1

Client Sample ID: R1-1(0-6)-082015
Date Collected: 08/20/15 10:15
Date Received: 08/20/15 13:40

Lab Sample ID: 500-100183-9
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		08/27/15 10:40	08/28/15 14:42	1
Zinc	**0.078**	**J**	0.10	0.020	mg/L		08/27/15 10:40	08/28/15 14:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Arsenic	**3.8**		0.60	0.28	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Barium	**17**		0.60	0.11	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Beryllium	**0.24**		0.24	0.052	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Cadmium	**0.073**	**J**	0.12	0.035	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Calcium	**1400**	**B**	12	3.8	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Chromium	**5.0**		0.60	0.10	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Cobalt	**1.8**		0.30	0.067	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Copper	**3.7**		0.60	0.13	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Iron	**7000**		12	4.6	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Lead	**5.2**		0.30	0.15	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Magnesium	**1100**		6.0	2.4	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Manganese	**30**		0.60	0.12	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Nickel	**3.7**		0.60	0.16	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Potassium	**380**		30	4.9	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Selenium	**0.58**	**J**	0.60	0.30	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Sodium	**850**		60	7.9	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Vanadium	**16**		0.30	0.087	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	1
Zinc	**12**	**B**	1.2	0.38	mg/Kg	☼	08/23/15 18:49	08/24/15 23:13	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		08/27/15 16:15	08/28/15 11:32	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		08/27/15 16:15	08/28/15 10:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**12**	**J**	20	6.9	ug/Kg	☼	08/26/15 19:00	08/27/15 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.65**		0.200	0.200	SU			08/25/15 14:09	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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.
B	Compound was found in the blank and sample.

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100183-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTA

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

500-100183 COC

Chain of Custody Record

Lab Job #: 500-100183

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.8

Report To (optional)		Bill To (optional)	
Contact:	S Babu Sukumar	Contact:	SAME
Company:	Weston Solutions Inc.	Company:	
Address:	300 Plaza Circle, Ste 202	Address:	
Address:	Lindelein, IL 60060	Address:	
Phone:	224-864-7250	Phone:	
Fax:	224-864-7236	Fax:	
E-Mail:	S.BabuSukumar@WestonSolutions.com	PO#/Reference#	

Client	Client Project #
Weston Solutions	02056.024.026.0080
Project Name	
IDOT 026-Thorton-Lansing Road	
Project Location/State	Lab Project #
Lansing, IL	
Sampler	Lab PM
M. Doheny-Skubic	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
1		BU-2(0-6)-082015	8-20-15	0800	2	S		X	X	X	X	X	
2		BU-3(0-6)-082015		0815									
3		BU-4(0-6)-082015		0833									
4		MM-13(0-6)-082015		0855									
5		MM-13(0-6)-082015D		0855									
6		MM-14(0-6)-082015		0920									
7		BU-1(0-6)-082015		0937									
8		R1-2(0-6)-082015		0955									
9		R1-1(0-6)-082015		1015									
10		MM-12(0-6)-082015	8-20-15	1032	2	S		X	X	X	X	X	

Turnaround Time Required (Business Days)

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

Requested Due Date _____

Sample Disposal: [ ] Return to Client [ ] 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
Matthew Doheny	Weston	8-20-15	1205		TA	8/20/15	12:05
	TA	8/20/15	13:40		TA-CHI	8/20/15	1340

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key

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

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Chain of Custody Record

Lab Job #: 500-100163

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact: S. Babusukumar	Contact: SAME
Company: Weston Solutions Inc.	Company:
Address: 300 Plaza Circle, Ste 202	Address:
Address: Mundelein, IL 60060	Address:
Phone: 224-864-7250	Phone:
Fax: 224-864-7234	Fax:
E-Mail: S.BabusuKumar@WestonSolutions.com	PO#/Reference#

Client	Client Project #
WestonSolutions	02056.014.026.0030
Project Name	
IDOT 026-Thorton-Lansing Road	
Project Location/State	Lab Project #
Lansing, IL	
Sampler	Lab PM
M. Dohony-SK-bic	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		MM-11(0-6)-082015	8-20-15	1045	2	S		X	X	X	X	X	
12		MM-10(0-6)-082015	8-20-15	1057	2	S		X	X	X	X	X	
*													*LAST ITEM

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days (7 Days) ___10 Days ___15 Days ~~Standard~~ Other

Requested Due Date

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	8-20-15	1205	[illegible]	TA	8/20/15	1205
[illegible]	TA	8/20/15	13:40	[illegible]	TA-CHI	8/20/15	1340
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: FA

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:

8/31/2015

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island Ave Office Phone Number, if available: _____

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

18000 block of Stony Island Avenue (ISGS Site No. 997V2-10)

City: Lansing State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.569681458 (Decimal Degrees) Longitude: -87.578294807 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island

Latitude: 41.569681458 Longitude: -87.578294807

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS VL-4 THROUGH VL-6, VL-8, VL-10, AND VL-11 WERE SAMPLED ADJACENT TO ISGS SITE No. 997V2-10. SEE FIGURES 3-1/3-3 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-100041-1.
ALSO SEE FIGURE 4-1 AND 4-3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

16 Dec. 2016
Date:

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

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

Summary Table of ISGS Site No. 997V2-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	VL-4(0-6)-081815	VL-5(0-6)-081815	VL-5(6-10)-081815	VL-6(0-6)-081815	**Soil Reference Concentrations[A]**
Sample Date	8/18/2015	8/18/2015	8/18/2015	8/18/2015	
Location ID	VL-4	VL-5	VL-5	VL-6	
Depth	0 - 6	0 - 6	6 - 10	0 - 6	
ISGS Site No.	997V2-10	997V2-10	997V2-10	997V2-10	
Parameter					
Laboratory pH (s.u.)	8.02	7.61	8.05	7.77	<6.25, >9.0
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	39	ND	130	---
Acenaphthene	ND	ND	14 J	ND	570000
Anthracene	28 J	ND	33 J	ND	1.20E+07
Benzo(a)anthracene	59	34 J	33 J	100	900 / 1100 / 1800
Benzo(a)pyrene	60	45	27 J	110	90 / 1300 / 2100
Benzo(b)fluoranthene	91	77	43	180	900 / 1500 /2100
Benzo(g,h,i)perylene	21 J	26 J	ND	36	---
Benzo(k)fluoranthene	33 J	20 J	ND	52	9000
Chrysene	62	53	35 J	140	88000
Fluoranthene	130	73	100	230	3100000
Fluorene	8.3 J	ND	15 J	ND	560000
Indeno(1,2,3-cd)pyrene	33 J	ND	ND	50	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	34 J	1800
Phenanthrene	96	87	120	150	---
Pyrene	100	76	77	210	2300000
Total Metals (mg/kg)					
Antimony, Total	ND	0.23 J	ND	0.36 J	5
Arsenic, Total	4.8	5.4	2.2	5.9	11.3 / 13
Barium, Total	15 J	23 J	6.6 J	31 J	1500
Beryllium, Total	0.16 J	0.37	0.13 J	0.51	22
Cadmium, Total	0.18	0.18	0.11 J	0.29	5.2
Calcium, Total	5200 J	21000 J	2000 J	41000 J	---
Chromium, Total	4.4 J	11 J	3.5 J	14 J	21
Cobalt, Total	2.1	9.7	2.1	14	20
Copper, Total	7.1 J	12 J	3.6 J	20 J	2900
Iron, Total	5700 J	11000 J	3200 J	22000 J	15000 / 15900
Lead, Total	19 J	15 J	8.7 J	47 J	107
Magnesium, Total	2800 J	12000 J	1700 J	18000 J	325000
Manganese, Total	54 J	210 J	30 J	300 J	630 / 636
Mercury, Total	0.019	0.017	ND	0.029	0.89
Nickel, Total	4.4	16	4.5	28	100
Potassium, Total	360 J	1600 J	370 J	2200 J	---
Selenium, Total	0.27 J	0.45 J	ND	0.6	1.3
Sodium, Total	130 J	180 J	ND	830 J	---
Vanadium, Total	10 J	14 J	6.6 J	17 J	550
Zinc, Total	31 J	47 J	22 J	83 J	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.31 J	0.25 J	0.096 J	0.3 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	0.0025 J	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.031	0.023 J	ND	0.036	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	0.24	0.3	5
Lead, TCLP	ND	ND	ND	0.057	0.0075
Manganese, TCLP	1.7	2.4	0.052	3.6	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	0.024 J	0.038	ND	0.022 J	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.26	0.1	0.049 J	0.16	5

Summary Table of ISGS Site No. 997V2-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	VL-4(0-6)-081815	VL-5(0-6)-081815	VL-5(6-10)-081815	VL-6(0-6)-081815	**Soil Reference Concentrations[A]**
Sample Date	8/18/2015	8/18/2015	8/18/2015	8/18/2015	
Location ID	VL-4	VL-5	VL-5	VL-6	
Depth	0 - 6	0 - 6	6 - 10	0 - 6	
ISGS Site No.	997V2-10	997V2-10	997V2-10	997V2-10	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	ND	ND	0.05
Barium, SPLP	0.11 J	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.021 J	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	1
Copper, SPLP	0.018 J	ND	ND	ND	0.65
Iron, SPLP	13 J+	ND	1.1 J+	2.2 J+	5
Lead, SPLP	0.031	ND	ND	0.0081	0.0075
Manganese, SPLP	0.055	0.029	ND	0.016 J	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.014 J	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 997V2-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	VL-8(0-6)-081815	VL-10(0-6)-081815	VL-10(0-6)-081815D	VL-11(0-6)-081815	**Soil Reference Concentrations[A]**
Sample Date	8/18/2015	8/18/2015	8/18/2015	8/18/2015	
Location ID	VL-8	VL-10	VL-10	VL-11	
Depth	0 - 6	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-10	997V2-10	997V2-10	997V2-10	
Parameter					
Laboratory pH (s.u.)	8.54	8.46	8.25	8.46	<6.25, >9.0
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	8 J	8.1 J	ND	---
Acenaphthene	ND	16 J	ND	ND	570000
Anthracene	ND	46	15 J	ND	1.20E+07
Benzo(a)anthracene	12 J	150 J	73 J	16 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	150 J	82 J	19 J	90 / 1300 / 2100
Benzo(b)fluoranthene	17 J	230 J	130 J	35 J	900 / 1500 /2100
Benzo(g,h,i)perylene	ND	50	ND	ND	---
Benzo(k)fluoranthene	ND	66	49	18 J	9000
Chrysene	16 J	150 J	82 J	19 J	88000
Fluoranthene	24 J	300 J	140 J	29 J	3100000
Fluorene	ND	18 J	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	ND	44	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	1800
Phenanthrene	9.7 J	170 J	62 J	12 J	---
Pyrene	23 J	290 J	130 J	34 J	2300000
Total Metals (mg/kg)					
Antimony, Total	ND	ND	0.24 J	ND	5
Arsenic, Total	1.1	3.4	3.4	0.92	11.3 / 13
Barium, Total	13 J	11 J	13 J	9 J	1500
Beryllium, Total	0.17 J	0.2	0.21	0.1 J	22
Cadmium, Total	0.055 J	0.1	0.12	0.048 J	5.2
Calcium, Total	1700 J	14000 J	7900 J	1400 J	---
Chromium, Total	4.6 J	4.7 J	5.3 J	2 J	21
Cobalt, Total	1.1	3.2	3.3	0.5	20
Copper, Total	2.5 J	6.2 J	7 J	1.2 J	2900
Iron, Total	2900 J	5600 J	6200 J	1300 J	15000 / 15900
Lead, Total	4.9 J	11 J	7.9 J	3.4 J	107
Magnesium, Total	1100 J	8100 J	4000 J	750 J	325000
Manganese, Total	21 J	90 J	91 J	41 J	630 / 636
Mercury, Total	0.018 J	0.018	0.014 J	0.0094 J	0.89
Nickel, Total	3.2	7.4	7.5	1.2	100
Potassium, Total	350 J	530 J	650 J	230 J	---
Selenium, Total	0.29 J	0.32 J	ND	ND	1.3
Sodium, Total	330 J	100 J	97 J	ND	---
Vanadium, Total	8.4 J	8 J	9 J	3.3 J	550
Zinc, Total	15 J	27 J	24 J	9.2 J	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.22 J	0.31 J	0.34 J	0.31 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	0.011 J	ND	ND	1
Copper, TCLP	ND	ND	ND	0.013 J	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	0.0077	0.0075
Manganese, TCLP	0.71	1.6	1.1	1.9	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.013 J	ND	0.012 J	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.12	0.34 J	0.047 J	1.2	5

Summary Table of ISGS Site No. 997V2-10
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	VL-8(0-6)-081815	VL-10(0-6)-081815	VL-10(0-6)-081815D	VL-11(0-6)-081815	**Soil Reference Concentrations[A]**
Sample Date	8/18/2015	8/18/2015	8/18/2015	8/18/2015	
Location ID	VL-8	VL-10	VL-10	VL-11	
Depth	0 - 6	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-10	997V2-10	997V2-10	997V2-10	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	ND	ND	0.05
Barium, SPLP	0.15 J	0.15 J	0.12 J	0.12 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.031	0.028	0.024 J	0.022 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	1
Copper, SPLP	0.024 J	0.023 J	0.018 J	0.02 J	0.65
Iron, SPLP	18 J+	19 J+	14 J+	14 J+	5
Lead, SPLP	0.037	0.02	0.017	0.024	0.0075
Manganese, SPLP	0.13	0.12	0.14	0.089	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.022 J	0.02 J	0.017 J	0.015 J	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	ND	ND	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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

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ANALYTICAL REPORT

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TestAmerica Job ID: 500-100041-1
Client Project/Site: IDOT - Lansing - WO 026

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Jodie Bracken

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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: VL-4(0-6)-081815
Date Collected: 08/18/15 10:35
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-5
Matrix: Solid
Percent Solids: 87.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		08/27/15 09:04	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		08/27/15 09:04	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		08/27/15 09:04	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 09:04	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		08/27/15 09:04	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		08/27/15 09:04	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 09:04	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		08/27/15 09:04	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		08/27/15 09:04	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		08/27/15 09:04	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		08/27/15 09:04	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 09:04	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		08/27/15 09:04	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		08/27/15 09:04	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 09:04	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/27/15 09:04	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		08/27/15 09:04	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		08/27/15 09:04	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		08/27/15 09:04	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		08/27/15 09:04	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		08/27/15 09:04	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		08/27/15 09:04	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		08/27/15 09:04	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 09:04	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		08/27/15 09:04	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		08/27/15 09:04	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/27/15 09:04	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		08/27/15 09:04	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		08/27/15 09:04	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		08/27/15 09:04	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		08/27/15 09:04	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		08/27/15 09:04	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		08/27/15 09:04	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		08/27/15 09:04	1
Vinyl chloride	<5.7		5.7	1.4	ug/Kg	☼		08/27/15 09:04	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		08/27/15 09:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*		*08/27/15 09:04*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*08/27/15 09:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*08/27/15 09:04*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*08/27/15 09:04*	*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	41	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1

Client Sample ID: VL-4(0-6)-081815
Date Collected: 08/18/15 10:35
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-5
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	<370		370	86	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Anthracene	**28**	**J**	37	6.3	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Benzo[a]anthracene	**59**		37	5.1	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Benzo[a]pyrene	**60**		37	7.3	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Benzo[b]fluoranthene	**91**		37	8.1	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Benzo[g,h,i]perylene	**21**	**J**	37	12	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Benzo[k]fluoranthene	**33**	**J**	37	11	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Carbazole	<190		190	94	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Chrysene	**62**		37	10	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Fluoranthene	**130**		37	7.0	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Fluorene	**8.3**	**J**	37	5.3	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1

Client Sample ID: VL-4(0-6)-081815
Date Collected: 08/18/15 10:35
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-5
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	**33**	**J**	37	9.8	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Isophorone	<190		190	42	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Naphthalene	<37		37	5.8	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Phenanthrene	**96**		37	5.3	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Phenol	<190		190	84	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1
Pyrene	**100**		37	7.5	ug/Kg	☼	08/24/15 07:25	08/26/15 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*35 - 137*	*08/24/15 07:25*	*08/26/15 03:50*	*1*
2-Fluorobiphenyl	*99*		*25 - 119*	*08/24/15 07:25*	*08/26/15 03:50*	*1*
2-Fluorophenol	*95*		*25 - 110*	*08/24/15 07:25*	*08/26/15 03:50*	*1*
Nitrobenzene-d5	*106*		*25 - 115*	*08/24/15 07:25*	*08/26/15 03:50*	*1*
Phenol-d5	*99*		*31 - 110*	*08/24/15 07:25*	*08/26/15 03:50*	*1*
Terphenyl-d14	*110*		*36 - 134*	*08/24/15 07:25*	*08/26/15 03:50*	*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		08/21/15 09:00	08/23/15 20:47	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		08/21/15 09:00	08/23/15 20:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/15 09:00	08/23/15 20:47	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		08/21/15 09:00	08/23/15 20:47	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 20:47	1
Cobalt	**0.031**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 20:47	1
Copper	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 20:47	1
Iron	<0.20		0.20	0.20	mg/L		08/21/15 09:00	08/23/15 20:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/15 09:00	08/23/15 20:47	1
Manganese	**1.7**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 20:47	1
Nickel	**0.024**	**J**	0.025	0.010	mg/L		08/21/15 09:00	08/23/15 20:47	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/15 09:00	08/23/15 20:47	1
Silver	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 20:47	1
Zinc	**0.26**		0.10	0.020	mg/L		08/21/15 09:00	08/23/15 20:47	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		08/23/15 16:00	08/24/15 18:03	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		08/23/15 16:00	08/24/15 18:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/15 16:00	08/24/15 18:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/15 16:00	08/24/15 18:03	1
Chromium	**0.021**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:03	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:03	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:03	1
Iron	**13**		0.20	0.20	mg/L		08/23/15 16:00	08/24/15 18:03	1
Lead	**0.031**		0.0075	0.0075	mg/L		08/23/15 16:00	08/24/15 18:03	1
Manganese	**0.055**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:03	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:03	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/15 16:00	08/24/15 18:03	1

Client Sample ID: VL-4(0-6)-081815
Date Collected: 08/18/15 10:35
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-5
Matrix: Solid
Percent Solids: 87.8

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		08/23/15 16:00	08/24/15 18:03	1
Zinc	**0.11**	**B**	0.10	0.020	mg/L		08/23/15 16:00	08/24/15 18:03	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	☼	08/20/15 09:00	08/20/15 21:26	1
Arsenic	**4.8**		0.54	0.25	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Barium	**15**		0.54	0.099	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Beryllium	**0.16**	**J**	0.22	0.047	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Cadmium	**0.18**		0.11	0.031	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Calcium	**5200**		11	3.5	mg/Kg	☼	08/20/15 09:00	08/21/15 13:49	1
Chromium	**4.4**		0.54	0.093	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Cobalt	**2.1**		0.27	0.061	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Copper	**7.1**		0.54	0.12	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Iron	**5700**		11	4.2	mg/Kg	☼	08/20/15 09:00	08/21/15 13:49	1
Lead	**19**		0.27	0.13	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Magnesium	**2800**		5.4	2.2	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Manganese	**54**		0.54	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Nickel	**4.4**		0.54	0.15	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Potassium	**360**	**B**	27	4.4	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Selenium	**0.27**	**J**	0.54	0.27	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Sodium	**130**	**B**	54	7.1	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Vanadium	**10**		0.27	0.079	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	1
Zinc	**31**	**B**	1.1	0.34	mg/Kg	☼	08/20/15 09:00	08/20/15 21:26	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		08/21/15 15:00	08/24/15 13:09	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		08/24/15 18:00	08/25/15 13:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**		18	6.4	ug/Kg	☼	08/24/15 16:30	08/25/15 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.02**		0.200	0.200	SU			08/21/15 12:56	1

Client Sample ID: VL-5(0-6)-081815
Date Collected: 08/18/15 10:53
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-6
Matrix: Solid
Percent Solids: 89.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/27/15 09:28	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		08/27/15 09:28	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		08/27/15 09:28	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		08/27/15 09:28	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		08/27/15 09:28	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		08/27/15 09:28	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		08/27/15 09:28	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 09:28	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		08/27/15 09:28	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		08/27/15 09:28	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 09:28	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		08/27/15 09:28	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 09:28	1
Dibromochloromethane	<5.6		5.6	0.64	ug/Kg	☼		08/27/15 09:28	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		08/27/15 09:28	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/27/15 09:28	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		08/27/15 09:28	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		08/27/15 09:28	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		08/27/15 09:28	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		08/27/15 09:28	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		08/27/15 09:28	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		08/27/15 09:28	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		08/27/15 09:28	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		08/27/15 09:28	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 09:28	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 09:28	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		08/27/15 09:28	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		08/27/15 09:28	1
Toluene	<5.6		5.6	1.9	ug/Kg	☼		08/27/15 09:28	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		08/27/15 09:28	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		08/27/15 09:28	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 09:28	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/27/15 09:28	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		08/27/15 09:28	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 09:28	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		08/27/15 09:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*		*08/27/15 09:28*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/27/15 09:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 134*		*08/27/15 09:28*	*1*
Toluene-d8 (Surr)	*92*		*75 - 122*		*08/27/15 09:28*	*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	☼	08/24/15 07:25	08/26/15 04:19	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1

Client Sample ID: VL-5(0-6)-081815
Date Collected: 08/18/15 10:53
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-6
Matrix: Solid
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2-Methylnaphthalene	**39**		36	6.7	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Anthracene	<36		36	6.0	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Benzo[a]anthracene	**34**	**J**	36	4.9	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Benzo[a]pyrene	**45**		36	7.0	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Benzo[b]fluoranthene	**77**		36	7.8	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Benzo[g,h,i]perylene	**26**	**J**	36	12	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Benzo[k]fluoranthene	**20**	**J**	36	11	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Carbazole	<180		180	90	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Chrysene	**53**		36	9.9	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Fluoranthene	**73**		36	6.7	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1

Client Sample ID: VL-5(0-6)-081815
Date Collected: 08/18/15 10:53
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-6
Matrix: Solid
Percent Solids: 89.2

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	<36		36	9.4	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Isophorone	<180		180	41	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Phenanthrene	**87**		36	5.0	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Phenol	<180		180	80	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1
Pyrene	**76**		36	7.2	ug/Kg	☼	08/24/15 07:25	08/26/15 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*35 - 137*	*08/24/15 07:25*	*08/26/15 04:19*	*1*
2-Fluorobiphenyl	*101*		*25 - 119*	*08/24/15 07:25*	*08/26/15 04:19*	*1*
2-Fluorophenol	*95*		*25 - 110*	*08/24/15 07:25*	*08/26/15 04:19*	*1*
Nitrobenzene-d5	*109*		*25 - 115*	*08/24/15 07:25*	*08/26/15 04:19*	*1*
Phenol-d5	*93*		*31 - 110*	*08/24/15 07:25*	*08/26/15 04:19*	*1*
Terphenyl-d14	*121*		*36 - 134*	*08/24/15 07:25*	*08/26/15 04:19*	*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		08/21/15 09:00	08/23/15 21:10	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		08/21/15 09:00	08/23/15 21:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/15 09:00	08/23/15 21:10	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		08/21/15 09:00	08/23/15 21:10	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:10	1
Cobalt	**0.023**	**J**	0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:10	1
Copper	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:10	1
Iron	<0.20		0.20	0.20	mg/L		08/21/15 09:00	08/23/15 21:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/15 09:00	08/23/15 21:10	1
Manganese	**2.4**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:10	1
Nickel	**0.038**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:10	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/15 09:00	08/23/15 21:10	1
Silver	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:10	1
Zinc	**0.10**		0.10	0.020	mg/L		08/21/15 09:00	08/23/15 21:10	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		08/23/15 16:00	08/24/15 18:26	1
Barium	<0.50		0.50	0.050	mg/L		08/23/15 16:00	08/24/15 18:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/15 16:00	08/24/15 18:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/15 16:00	08/24/15 18:26	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:26	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:26	1
Copper	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:26	1
Iron	<0.20		0.20	0.20	mg/L		08/23/15 16:00	08/24/15 18:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/15 16:00	08/24/15 18:26	1
Manganese	**0.029**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:26	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:26	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/15 16:00	08/24/15 18:26	1

Client Sample ID: VL-5(0-6)-081815
Date Collected: 08/18/15 10:53
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-6
Matrix: Solid
Percent Solids: 89.2

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		08/23/15 16:00	08/24/15 18:26	1
Zinc	**0.033**	**J B ^**	0.10	0.020	mg/L		08/23/15 16:00	08/24/15 18:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.23**	**J**	1.1	0.23	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Arsenic	**5.4**		0.55	0.26	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Barium	**23**		0.55	0.10	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Beryllium	**0.37**		0.22	0.048	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Cadmium	**0.18**		0.11	0.032	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Calcium	**21000**		11	3.6	mg/Kg	☼	08/20/15 09:00	08/21/15 13:53	1
Chromium	**11**		0.55	0.095	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Cobalt	**9.7**		0.28	0.063	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Copper	**12**		0.55	0.12	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Iron	**11000**		11	4.3	mg/Kg	☼	08/20/15 09:00	08/21/15 13:53	1
Lead	**15**		0.28	0.14	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Magnesium	**12000**		5.5	2.2	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Manganese	**210**		0.55	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Nickel	**16**		0.55	0.15	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Potassium	**1600**	**B**	28	4.5	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Selenium	**0.45**	**J**	0.55	0.27	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Sodium	**180**	**B**	55	7.3	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Vanadium	**14**		0.28	0.081	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	1
Zinc	**47**	**B**	1.1	0.35	mg/Kg	☼	08/20/15 09:00	08/20/15 21:30	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		08/21/15 15:00	08/24/15 13:11	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		08/24/15 18:00	08/25/15 13:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17**		16	5.7	ug/Kg	☼	08/24/15 16:30	08/25/15 13:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.61**		0.200	0.200	SU			08/21/15 13:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100041-1

Client Sample ID: VL-5(6-10)-081815
Date Collected: 08/18/15 10:58
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-7
Matrix: Solid
Percent Solids: 83.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		08/27/15 09:52	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		08/27/15 09:52	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		08/27/15 09:52	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 09:52	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		08/27/15 09:52	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		08/27/15 09:52	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		08/27/15 09:52	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 09:52	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		08/27/15 09:52	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 09:52	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 09:52	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 09:52	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 09:52	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		08/27/15 09:52	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 09:52	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		08/27/15 09:52	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		08/27/15 09:52	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		08/27/15 09:52	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		08/27/15 09:52	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		08/27/15 09:52	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		08/27/15 09:52	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		08/27/15 09:52	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		08/27/15 09:52	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 09:52	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 09:52	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 09:52	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		08/27/15 09:52	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 09:52	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		08/27/15 09:52	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		08/27/15 09:52	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		08/27/15 09:52	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 09:52	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		08/27/15 09:52	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		08/27/15 09:52	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		08/27/15 09:52	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		08/27/15 09:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*08/27/15 09:52*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*08/27/15 09:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 134*		*08/27/15 09:52*	*1*
Toluene-d8 (Surr)	*89*		*75 - 122*		*08/27/15 09:52*	*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	☼	08/24/15 07:25	08/26/15 04:48	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1

Client Sample ID: VL-5(6-10)-081815
Date Collected: 08/18/15 10:58
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-7
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	☼	08/24/15 07:25	08/26/15 04:48	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2-Methylphenol	<200		200	63	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Acenaphthene	**14**	**J**	39	7.1	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Anthracene	**33**	**J**	39	6.6	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Benzo[a]anthracene	**33**	**J**	39	5.3	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Benzo[a]pyrene	**27**	**J**	39	7.7	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Benzo[b]fluoranthene	**43**		39	8.5	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Carbazole	<200		200	99	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Chrysene	**35**	**J**	39	11	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Fluoranthene	**100**		39	7.3	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Fluorene	**15**	**J**	39	5.6	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Hexachloroethane	<200		200	60	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1

Client Sample ID: VL-5(6-10)-081815
Date Collected: 08/18/15 10:58
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-7
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Isophorone	<200		200	44	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Naphthalene	<39		39	6.1	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Phenanthrene	**120**		39	5.5	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Phenol	<200		200	88	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1
Pyrene	**77**		39	7.9	ug/Kg	☼	08/24/15 07:25	08/26/15 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*35 - 137*	*08/24/15 07:25*	*08/26/15 04:48*	*1*
2-Fluorobiphenyl	*87*		*25 - 119*	*08/24/15 07:25*	*08/26/15 04:48*	*1*
2-Fluorophenol	*80*		*25 - 110*	*08/24/15 07:25*	*08/26/15 04:48*	*1*
Nitrobenzene-d5	*91*		*25 - 115*	*08/24/15 07:25*	*08/26/15 04:48*	*1*
Phenol-d5	*89*		*31 - 110*	*08/24/15 07:25*	*08/26/15 04:48*	*1*
Terphenyl-d14	*110*		*36 - 134*	*08/24/15 07:25*	*08/26/15 04:48*	*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		08/21/15 09:00	08/23/15 21:16	1
Barium	**0.096**	**J**	0.50	0.050	mg/L		08/21/15 09:00	08/23/15 21:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/15 09:00	08/23/15 21:16	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		08/21/15 09:00	08/23/15 21:16	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:16	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:16	1
Copper	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:16	1
Iron	**0.24**		0.20	0.20	mg/L		08/21/15 09:00	08/23/15 21:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/15 09:00	08/23/15 21:16	1
Manganese	**0.052**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:16	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:16	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/15 09:00	08/23/15 21:16	1
Silver	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:16	1
Zinc	**0.049**	**J**	0.10	0.020	mg/L		08/21/15 09:00	08/23/15 21:16	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		08/23/15 16:00	08/24/15 18:32	1
Barium	<0.50		0.50	0.050	mg/L		08/23/15 16:00	08/24/15 18:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/15 16:00	08/24/15 18:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/15 16:00	08/24/15 18:32	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:32	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:32	1
Copper	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:32	1
Iron	**1.1**		0.20	0.20	mg/L		08/23/15 16:00	08/24/15 18:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/15 16:00	08/24/15 18:32	1
Manganese	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:32	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:32	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/15 16:00	08/24/15 18:32	1

Client Sample ID: VL-5(6-10)-081815
Date Collected: 08/18/15 10:58
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-7
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:32	1
Zinc	**0.057**	**J B ^**	0.10	0.020	mg/L		08/23/15 16:00	08/24/15 18:32	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	☼	08/20/15 09:00	08/20/15 21:34	1
Arsenic	**2.2**		0.58	0.27	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Barium	**6.6**		0.58	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Beryllium	**0.13**	**J**	0.23	0.050	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Cadmium	**0.11**	**J**	0.12	0.033	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Calcium	**2000**		12	3.7	mg/Kg	☼	08/20/15 09:00	08/21/15 13:57	1
Chromium	**3.5**		0.58	0.099	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Cobalt	**2.1**		0.29	0.065	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Copper	**3.6**		0.58	0.12	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Iron	**3200**		12	4.4	mg/Kg	☼	08/20/15 09:00	08/21/15 13:57	1
Lead	**8.7**		0.29	0.14	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Magnesium	**1700**		5.8	2.3	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Manganese	**30**		0.58	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Nickel	**4.5**		0.58	0.16	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Potassium	**370**	**B**	29	4.7	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Selenium	<0.58		0.58	0.28	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Sodium	**74**	**B**	58	7.6	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Vanadium	**6.6**		0.29	0.084	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	1
Zinc	**22**	**B**	1.2	0.36	mg/Kg	☼	08/20/15 09:00	08/20/15 21:34	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		08/21/15 15:00	08/24/15 13:13	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		08/24/15 18:00	08/25/15 13:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<18		18	6.4	ug/Kg	☼	08/24/15 16:30	08/25/15 13:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.05**		0.200	0.200	SU			08/21/15 13:24	1

Client Sample ID: VL-6(0-6)-081815
Date Collected: 08/18/15 12:15
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-11
Matrix: Solid
Percent Solids: 90.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/27/15 10:16	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 10:16	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg	☼		08/27/15 10:16	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 10:16	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 10:16	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 10:16	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 10:16	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 10:16	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		08/27/15 10:16	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 10:16	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 10:16	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 10:16	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 10:16	1
Dibromochloromethane	<5.5		5.5	0.64	ug/Kg	☼		08/27/15 10:16	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 10:16	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/27/15 10:16	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 10:16	1
1,2-Dichloropropane	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 10:16	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		08/27/15 10:16	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 10:16	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		08/27/15 10:16	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		08/27/15 10:16	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/27/15 10:16	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 10:16	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 10:16	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 10:16	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.88	ug/Kg	☼		08/27/15 10:16	1
Tetrachloroethene	<5.5		5.5	1.2	ug/Kg	☼		08/27/15 10:16	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		08/27/15 10:16	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		08/27/15 10:16	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		08/27/15 10:16	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 10:16	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/27/15 10:16	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		08/27/15 10:16	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		08/27/15 10:16	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/27/15 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*08/27/15 10:16*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*08/27/15 10:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*08/27/15 10:16*	*1*
Toluene-d8 (Surr)	*92*		*75 - 122*		*08/27/15 10:16*	*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	☼	08/24/15 07:25	08/26/15 05:17	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1

Client Sample ID: VL-6(0-6)-081815
Date Collected: 08/18/15 12:15
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-11
Matrix: Solid
Percent Solids: 90.2

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	☼	08/24/15 07:25	08/26/15 05:17	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2-Methylnaphthalene	**130**		36	6.6	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Anthracene	<36		36	6.0	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Benzo[a]anthracene	**100**		36	4.8	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Benzo[a]pyrene	**110**		36	7.0	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Benzo[b]fluoranthene	**180**		36	7.8	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Benzo[g,h,i]perylene	**36**		36	12	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Benzo[k]fluoranthene	**52**		36	11	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Carbazole	<180		180	90	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Chrysene	**140**		36	9.8	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Dibenz(a,h)anthracene	<36		36	6.9	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Fluoranthene	**230**		36	6.7	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Fluorene	<36		36	5.1	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1

Client Sample ID: VL-6(0-6)-081815
Date Collected: 08/18/15 12:15
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-11
Matrix: Solid
Percent Solids: 90.2

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	**50**		36	9.3	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Isophorone	<180		180	40	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Naphthalene	**34**	**J**	36	5.5	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Pentachlorophenol	<720		720	580	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Phenanthrene	**150**		36	5.0	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Phenol	<180		180	80	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1
Pyrene	**210**		36	7.1	ug/Kg	☼	08/24/15 07:25	08/26/15 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*35 - 137*	*08/24/15 07:25*	*08/26/15 05:17*	*1*
2-Fluorobiphenyl	*91*		*25 - 119*	*08/24/15 07:25*	*08/26/15 05:17*	*1*
2-Fluorophenol	*85*		*25 - 110*	*08/24/15 07:25*	*08/26/15 05:17*	*1*
Nitrobenzene-d5	*94*		*25 - 115*	*08/24/15 07:25*	*08/26/15 05:17*	*1*
Phenol-d5	*84*		*31 - 110*	*08/24/15 07:25*	*08/26/15 05:17*	*1*
Terphenyl-d14	*120*		*36 - 134*	*08/24/15 07:25*	*08/26/15 05:17*	*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		08/21/15 09:00	08/23/15 21:23	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		08/21/15 09:00	08/23/15 21:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/15 09:00	08/23/15 21:23	1
Cadmium	**0.0025**	**J ^**	0.0050	0.0020	mg/L		08/21/15 09:00	08/23/15 21:23	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:23	1
Cobalt	**0.036**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:23	1
Copper	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:23	1
Iron	**0.30**		0.20	0.20	mg/L		08/21/15 09:00	08/23/15 21:23	1
Lead	**0.057**		0.0075	0.0075	mg/L		08/21/15 09:00	08/23/15 21:23	1
Manganese	**3.6**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:23	1
Nickel	**0.022**	**J**	0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:23	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/15 09:00	08/23/15 21:23	1
Silver	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:23	1
Zinc	**0.16**		0.10	0.020	mg/L		08/21/15 09:00	08/23/15 21:23	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		08/23/15 16:00	08/24/15 18:39	1
Barium	<0.50		0.50	0.050	mg/L		08/23/15 16:00	08/24/15 18:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/15 16:00	08/24/15 18:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/15 16:00	08/24/15 18:39	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:39	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:39	1
Copper	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:39	1
Iron	**2.2**		0.20	0.20	mg/L		08/23/15 16:00	08/24/15 18:39	1
Lead	**0.0081**		0.0075	0.0075	mg/L		08/23/15 16:00	08/24/15 18:39	1
Manganese	**0.016**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:39	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:39	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/15 16:00	08/24/15 18:39	1

Client Sample ID: VL-6(0-6)-081815
Date Collected: 08/18/15 12:15
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-11
Matrix: Solid
Percent Solids: 90.2

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		08/23/15 16:00	08/24/15 18:39	1
Zinc	**0.22**	**B**	0.10	0.020	mg/L		08/23/15 16:00	08/25/15 14:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.36**	**J**	1.1	0.22	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Arsenic	**5.9**		0.53	0.25	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Barium	**31**		0.53	0.097	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Beryllium	**0.51**		0.21	0.046	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Cadmium	**0.29**		0.11	0.031	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Calcium	**41000**		53	17	mg/Kg	☼	08/20/15 09:00	08/21/15 14:01	5
Chromium	**14**		0.53	0.091	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Cobalt	**14**		0.27	0.060	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Copper	**20**		0.53	0.12	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Iron	**22000**		53	20	mg/Kg	☼	08/20/15 09:00	08/21/15 14:01	5
Lead	**47**		0.27	0.13	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Magnesium	**18000**		5.3	2.2	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Manganese	**300**		0.53	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Nickel	**28**		0.53	0.14	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Potassium	**2200**	**B**	27	4.3	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Selenium	**0.60**		0.53	0.26	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Sodium	**830**	**B**	53	7.0	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Vanadium	**17**		0.27	0.077	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	1
Zinc	**83**	**B**	1.1	0.34	mg/Kg	☼	08/20/15 09:00	08/20/15 21:38	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		08/21/15 15:00	08/24/15 13:15	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		08/24/15 18:00	08/25/15 13:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		17	5.9	ug/Kg	☼	08/24/15 16:30	08/25/15 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.77**		0.200	0.200	SU			08/21/15 13:31	1

Client Sample ID: VL-8(0-6)-081815
Date Collected: 08/18/15 12:42
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-13
Matrix: Solid
Percent Solids: 86.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		08/27/15 11:05	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		08/27/15 11:05	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		08/27/15 11:05	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 11:05	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 11:05	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 11:05	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 11:05	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 11:05	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		08/27/15 11:05	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		08/27/15 11:05	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 11:05	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 11:05	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		08/27/15 11:05	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		08/27/15 11:05	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 11:05	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/27/15 11:05	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 11:05	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		08/27/15 11:05	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		08/27/15 11:05	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 11:05	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		08/27/15 11:05	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		08/27/15 11:05	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 11:05	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 11:05	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 11:05	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 11:05	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		08/27/15 11:05	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 11:05	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		08/27/15 11:05	1
trans-1,2-Dichloroethene	<5.8		5.8	1.5	ug/Kg	☼		08/27/15 11:05	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		08/27/15 11:05	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		08/27/15 11:05	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		08/27/15 11:05	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		08/27/15 11:05	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 11:05	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		08/27/15 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*08/27/15 11:05*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*08/27/15 11:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 134*		*08/27/15 11:05*	*1*
Toluene-d8 (Surr)	*92*		*75 - 122*		*08/27/15 11:05*	*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	☼	08/24/15 07:25	08/26/15 05:46	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1

Client Sample ID: VL-8(0-6)-081815
Date Collected: 08/18/15 12:42
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-13
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	<360		360	84	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2-Methylnaphthalene	<36		36	6.8	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2-Methylphenol	<180		180	59	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
4,6-Dinitro-2-methylphenol	<360		360	300	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Anthracene	<36		36	6.1	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Benzo[a]anthracene	**12**	**J**	36	4.9	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Benzo[a]pyrene	<36		36	7.1	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Benzo[b]fluoranthene	**17**	**J**	36	7.9	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Carbazole	<180		180	92	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Chrysene	**16**	**J**	36	10	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Dibenzofuran	<180		180	43	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Fluoranthene	**24**	**J**	36	6.8	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Fluorene	<36		36	5.2	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Hexachloroethane	<180		180	56	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1

Client Sample ID: VL-8(0-6)-081815
Date Collected: 08/18/15 12:42
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-13
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	<36		36	9.5	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Isophorone	<180		180	41	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Naphthalene	<36		36	5.6	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Nitrobenzene	<36		36	9.2	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Phenanthrene	**9.7**	**J**	36	5.1	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Phenol	<180		180	82	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1
Pyrene	**23**	**J**	36	7.3	ug/Kg	☼	08/24/15 07:25	08/26/15 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*35 - 137*	*08/24/15 07:25*	*08/26/15 05:46*	*1*
2-Fluorobiphenyl	*101*		*25 - 119*	*08/24/15 07:25*	*08/26/15 05:46*	*1*
2-Fluorophenol	*94*		*25 - 110*	*08/24/15 07:25*	*08/26/15 05:46*	*1*
Nitrobenzene-d5	*121*	*X*	*25 - 115*	*08/24/15 07:25*	*08/26/15 05:46*	*1*
Phenol-d5	*97*		*31 - 110*	*08/24/15 07:25*	*08/26/15 05:46*	*1*
Terphenyl-d14	*139*	*X*	*36 - 134*	*08/24/15 07:25*	*08/26/15 05:46*	*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		08/21/15 09:00	08/23/15 21:37	1
Barium	**0.22**	**J**	0.50	0.050	mg/L		08/21/15 09:00	08/23/15 21:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/15 09:00	08/23/15 21:37	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		08/21/15 09:00	08/23/15 21:37	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:37	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:37	1
Copper	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:37	1
Iron	<0.20		0.20	0.20	mg/L		08/21/15 09:00	08/23/15 21:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/15 09:00	08/23/15 21:37	1
Manganese	**0.71**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:37	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:37	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/15 09:00	08/23/15 21:37	1
Silver	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:37	1
Zinc	**0.12**		0.10	0.020	mg/L		08/21/15 09:00	08/23/15 21:37	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		08/23/15 16:00	08/24/15 18:53	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		08/23/15 16:00	08/24/15 18:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/15 16:00	08/24/15 18:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/15 16:00	08/24/15 18:53	1
Chromium	**0.031**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:53	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:53	1
Copper	**0.024**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:53	1
Iron	**18**		0.20	0.20	mg/L		08/23/15 16:00	08/24/15 18:53	1
Lead	**0.037**		0.0075	0.0075	mg/L		08/23/15 16:00	08/24/15 18:53	1
Manganese	**0.13**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:53	1
Nickel	**0.022**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 18:53	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/15 16:00	08/24/15 18:53	1

Client Sample ID: VL-8(0-6)-081815
Date Collected: 08/18/15 12:42
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-13
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		08/23/15 16:00	08/24/15 18:53	1
Zinc	**0.11**	**B**	0.10	0.020	mg/L		08/23/15 16:00	08/25/15 14:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Arsenic	**1.1**		0.55	0.25	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Barium	**13**		0.55	0.10	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Beryllium	**0.17**	**J**	0.22	0.048	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Cadmium	**0.055**	**J**	0.11	0.032	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Calcium	**1700**		11	3.5	mg/Kg	☼	08/20/15 09:00	08/21/15 14:09	1
Chromium	**4.6**		0.55	0.094	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Cobalt	**1.1**		0.27	0.062	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Copper	**2.5**		0.55	0.12	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Iron	**2900**		11	4.2	mg/Kg	☼	08/20/15 09:00	08/21/15 14:09	1
Lead	**4.9**		0.27	0.14	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Magnesium	**1100**		5.5	2.2	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Manganese	**21**		0.55	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Nickel	**3.2**		0.55	0.15	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Potassium	**350**	**B**	27	4.5	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Selenium	**0.29**	**J**	0.55	0.27	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Sodium	**330**	**B**	55	7.2	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Vanadium	**8.4**		0.27	0.080	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1
Zinc	**15**	**B**	1.1	0.35	mg/Kg	☼	08/20/15 09:00	08/20/15 21:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/21/15 15:00	08/24/15 13:19	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		08/24/15 18:00	08/25/15 13:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**18**	**J**	19	6.5	ug/Kg	☼	08/24/15 16:30	08/25/15 13:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.54**		0.200	0.200	SU			08/21/15 13:45	1

Client Sample ID: VL-10(0-6)-081815
Date Collected: 08/18/15 13:20
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-15
Matrix: Solid
Percent Solids: 94.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<21		21	4.1	ug/Kg	☼		08/27/15 11:54	1
Benzene	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 11:54	1
Bromodichloromethane	<5.3		5.3	0.90	ug/Kg	☼		08/27/15 11:54	1
Bromoform	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 11:54	1
Bromomethane	<5.3		5.3	2.0	ug/Kg	☼		08/27/15 11:54	1
Carbon disulfide	<5.3		5.3	2.0	ug/Kg	☼		08/27/15 11:54	1
Carbon tetrachloride	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 11:54	1
Chlorobenzene	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 11:54	1
Chloroethane	<5.3		5.3	2.2	ug/Kg	☼		08/27/15 11:54	1
Chloroform	<5.3		5.3	1.0	ug/Kg	☼		08/27/15 11:54	1
Chloromethane	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 11:54	1
cis-1,2-Dichloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 11:54	1
cis-1,3-Dichloropropene	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 11:54	1
Dibromochloromethane	<5.3		5.3	0.61	ug/Kg	☼		08/27/15 11:54	1
1,1-Dichloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 11:54	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/27/15 11:54	1
1,1-Dichloroethene	<5.3		5.3	1.9	ug/Kg	☼		08/27/15 11:54	1
1,2-Dichloropropane	<5.3		5.3	1.4	ug/Kg	☼		08/27/15 11:54	1
1,3-Dichloropropene, Total	<5.3		5.3	1.5	ug/Kg	☼		08/27/15 11:54	1
Ethylbenzene	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 11:54	1
2-Hexanone	<5.3		5.3	1.6	ug/Kg	☼		08/27/15 11:54	1
Methylene Chloride	<5.3		5.3	4.0	ug/Kg	☼		08/27/15 11:54	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/27/15 11:54	1
methyl isobutyl ketone	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 11:54	1
Methyl tert-butyl ether	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 11:54	1
Styrene	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 11:54	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/27/15 11:54	1
Tetrachloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 11:54	1
Toluene	<5.3		5.3	1.8	ug/Kg	☼		08/27/15 11:54	1
trans-1,2-Dichloroethene	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 11:54	1
trans-1,3-Dichloropropene	<5.3		5.3	1.5	ug/Kg	☼		08/27/15 11:54	1
1,1,1-Trichloroethane	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 11:54	1
1,1,2-Trichloroethane	<5.3		5.3	1.0	ug/Kg	☼		08/27/15 11:54	1
Trichloroethene	<5.3		5.3	1.4	ug/Kg	☼		08/27/15 11:54	1
Vinyl chloride	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 11:54	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/27/15 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*		*08/27/15 11:54*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*08/27/15 11:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*08/27/15 11:54*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/27/15 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	<170		170	37	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
1,3-Dichlorobenzene	<170		170	38	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1

Client Sample ID: VL-10(0-6)-081815
Date Collected: 08/18/15 13:20
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-15
Matrix: Solid
Percent Solids: 94.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	78	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2,4-Dichlorophenol	<340		340	81	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2,4-Dinitrophenol	<690		690	600	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2,6-Dinitrotoluene	<170		170	67	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2-Methylnaphthalene	**8.0**	**J**	34	6.3	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2-Methylphenol	<170		170	55	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
2-Nitrophenol	<340		340	80	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
4,6-Dinitro-2-methylphenol	<340		340	270	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
4-Nitrophenol	<690		690	320	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Acenaphthene	**16**	**J**	34	6.1	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Anthracene	**46**		34	5.7	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Benzo[a]anthracene	**150**		34	4.6	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Benzo[a]pyrene	**150**		34	6.6	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Benzo[b]fluoranthene	**230**		34	7.3	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Benzo[g,h,i]perylene	**50**		34	11	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Benzo[k]fluoranthene	**66**		34	10	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Bis(2-ethylhexyl) phthalate	<170		170	62	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Carbazole	<170		170	85	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Chrysene	**150**		34	9.3	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Dibenz(a,h)anthracene	<34		34	6.6	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Dibenzofuran	<170		170	40	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Dimethyl phthalate	<170		170	44	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Di-n-octyl phthalate	<170		170	55	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Fluoranthene	**300**		34	6.3	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Fluorene	**18**	**J**	34	4.8	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Hexachlorobenzene	<69		69	7.9	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Hexachlorobutadiene	<170		170	53	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Hexachloroethane	<170		170	52	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1

Client Sample ID: VL-10(0-6)-081815
Date Collected: 08/18/15 13:20
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-15
Matrix: Solid
Percent Solids: 94.2

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	<34		34	8.8	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Isophorone	<170		170	38	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Naphthalene	<34		34	5.2	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Nitrobenzene	<34		34	8.5	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Phenanthrene	**170**		34	4.7	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Phenol	<170		170	76	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1
Pyrene	**290**		34	6.8	ug/Kg	☼	08/24/15 07:25	08/26/15 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*35 - 137*	*08/24/15 07:25*	*08/26/15 06:16*	*1*
2-Fluorobiphenyl	*97*		*25 - 119*	*08/24/15 07:25*	*08/26/15 06:16*	*1*
2-Fluorophenol	*96*		*25 - 110*	*08/24/15 07:25*	*08/26/15 06:16*	*1*
Nitrobenzene-d5	*104*		*25 - 115*	*08/24/15 07:25*	*08/26/15 06:16*	*1*
Phenol-d5	*104*		*31 - 110*	*08/24/15 07:25*	*08/26/15 06:16*	*1*
Terphenyl-d14	*119*		*36 - 134*	*08/24/15 07:25*	*08/26/15 06:16*	*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		08/21/15 09:00	08/23/15 21:50	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		08/21/15 09:00	08/23/15 21:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/15 09:00	08/23/15 21:50	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		08/21/15 09:00	08/23/15 21:50	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:50	1
Cobalt	**0.011**	**J**	0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:50	1
Copper	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:50	1
Iron	<0.20		0.20	0.20	mg/L		08/21/15 09:00	08/23/15 21:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/15 09:00	08/23/15 21:50	1
Manganese	**1.6**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:50	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:50	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/15 09:00	08/23/15 21:50	1
Silver	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:50	1
Zinc	**0.34**		0.10	0.020	mg/L		08/21/15 09:00	08/23/15 21:50	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		08/23/15 16:00	08/24/15 19:06	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		08/23/15 16:00	08/24/15 19:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/15 16:00	08/24/15 19:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/15 16:00	08/24/15 19:06	1
Chromium	**0.028**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:06	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:06	1
Copper	**0.023**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:06	1
Iron	**19**		0.20	0.20	mg/L		08/23/15 16:00	08/24/15 19:06	1
Lead	**0.020**		0.0075	0.0075	mg/L		08/23/15 16:00	08/24/15 19:06	1
Manganese	**0.12**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:06	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:06	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/15 16:00	08/24/15 19:06	1

Client Sample ID: VL-10(0-6)-081815
Date Collected: 08/18/15 13:20
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-15
Matrix: Solid
Percent Solids: 94.2

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		08/23/15 16:00	08/24/15 19:06	1
Zinc	**0.095**	**J B**	0.10	0.020	mg/L		08/23/15 16:00	08/25/15 14:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Arsenic	**3.4**		0.50	0.23	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Barium	**11**		0.50	0.091	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Beryllium	**0.20**		0.20	0.043	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Cadmium	**0.10**		0.10	0.029	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Calcium	**14000**		10	3.2	mg/Kg	☼	08/20/15 09:00	08/21/15 14:17	1
Chromium	**4.7**		0.50	0.086	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Cobalt	**3.2**		0.25	0.056	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Copper	**6.2**		0.50	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Iron	**5600**		10	3.8	mg/Kg	☼	08/20/15 09:00	08/21/15 14:17	1
Lead	**11**		0.25	0.12	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Magnesium	**8100**		5.0	2.0	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Manganese	**90**		0.50	0.099	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Nickel	**7.4**		0.50	0.14	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Potassium	**530**	**B**	25	4.1	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Selenium	**0.32**	**J**	0.50	0.25	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Silver	<0.25		0.25	0.058	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Sodium	**100**	**B**	50	6.6	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Vanadium	**8.0**		0.25	0.073	mg/Kg	☼	08/20/15 09:00	08/20/15 21:57	1
Zinc	**27**	**B**	1.0	0.32	mg/Kg	☼	08/20/15 09:00	08/20/15 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		08/21/15 15:00	08/24/15 13:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/24/15 18:00	08/25/15 14:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**18**		17	6.0	ug/Kg	☼	08/24/15 16:30	08/25/15 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.46**		0.200	0.200	SU			08/21/15 13:59	1

Client Sample ID: VL-10(0-6)-081815D
Date Collected: 08/18/15 13:20
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-16
Matrix: Solid
Percent Solids: 94.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<21		21	4.1	ug/Kg	☼		08/27/15 12:18	1
Benzene	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 12:18	1
Bromodichloromethane	<5.3		5.3	0.89	ug/Kg	☼		08/27/15 12:18	1
Bromoform	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 12:18	1
Bromomethane	<5.3		5.3	1.9	ug/Kg	☼		08/27/15 12:18	1
Carbon disulfide	<5.3		5.3	1.9	ug/Kg	☼		08/27/15 12:18	1
Carbon tetrachloride	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 12:18	1
Chlorobenzene	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 12:18	1
Chloroethane	<5.3		5.3	2.2	ug/Kg	☼		08/27/15 12:18	1
Chloroform	<5.3		5.3	1.0	ug/Kg	☼		08/27/15 12:18	1
Chloromethane	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 12:18	1
cis-1,2-Dichloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 12:18	1
cis-1,3-Dichloropropene	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 12:18	1
Dibromochloromethane	<5.3		5.3	0.61	ug/Kg	☼		08/27/15 12:18	1
1,1-Dichloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 12:18	1
1,2-Dichloroethane	<5.3		5.3	0.78	ug/Kg	☼		08/27/15 12:18	1
1,1-Dichloroethene	<5.3		5.3	1.9	ug/Kg	☼		08/27/15 12:18	1
1,2-Dichloropropane	<5.3		5.3	1.4	ug/Kg	☼		08/27/15 12:18	1
1,3-Dichloropropene, Total	<5.3		5.3	1.5	ug/Kg	☼		08/27/15 12:18	1
Ethylbenzene	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 12:18	1
2-Hexanone	<5.3		5.3	1.6	ug/Kg	☼		08/27/15 12:18	1
Methylene Chloride	<5.3		5.3	4.0	ug/Kg	☼		08/27/15 12:18	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/27/15 12:18	1
methyl isobutyl ketone	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 12:18	1
Methyl tert-butyl ether	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 12:18	1
Styrene	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 12:18	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/27/15 12:18	1
Tetrachloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 12:18	1
Toluene	<5.3		5.3	1.8	ug/Kg	☼		08/27/15 12:18	1
trans-1,2-Dichloroethene	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 12:18	1
trans-1,3-Dichloropropene	<5.3		5.3	1.5	ug/Kg	☼		08/27/15 12:18	1
1,1,1-Trichloroethane	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 12:18	1
1,1,2-Trichloroethane	<5.3		5.3	1.0	ug/Kg	☼		08/27/15 12:18	1
Trichloroethene	<5.3		5.3	1.4	ug/Kg	☼		08/27/15 12:18	1
Vinyl chloride	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 12:18	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/27/15 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*08/27/15 12:18*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*08/27/15 12:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*		*08/27/15 12:18*	*1*
Toluene-d8 (Surr)	*91*		*75 - 122*		*08/27/15 12:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2,2'-oxybis[1-chloropropane]	<180		180	40	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1

Client Sample ID: VL-10(0-6)-081815D
Date Collected: 08/18/15 13:20
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-16
Matrix: Solid
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	79	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2,4-Dinitrotoluene	<180		180	55	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2,6-Dinitrotoluene	<180		180	68	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2-Chloronaphthalene	<180		180	38	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2-Chlorophenol	<180		180	59	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2-Methylnaphthalene	**8.1**	**J**	35	6.4	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2-Methylphenol	<180		180	56	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Anthracene	**15**	**J**	35	5.8	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Benzo[a]anthracene	**73**		35	4.7	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Benzo[a]pyrene	**82**		35	6.7	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Benzo[b]fluoranthene	**130**		35	7.5	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Benzo[k]fluoranthene	**49**		35	10	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Butyl benzyl phthalate	<180		180	66	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Carbazole	<180		180	87	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Chrysene	**82**		35	9.5	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Dibenz(a,h)anthracene	<35		35	6.7	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Fluoranthene	**140**		35	6.5	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Fluorene	<35		35	4.9	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Hexachloroethane	<180		180	53	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1

Client Sample ID: VL-10(0-6)-081815D
Date Collected: 08/18/15 13:20
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-16
Matrix: Solid
Percent Solids: 94.5

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	**44**		35	9.0	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Isophorone	<180		180	39	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Phenanthrene	**62**		35	4.9	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Phenol	<180		180	77	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1
Pyrene	**130**		35	6.9	ug/Kg	☼	08/24/15 07:25	08/26/15 06:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 137*	*08/24/15 07:25*	*08/26/15 06:45*	*1*
2-Fluorobiphenyl	*100*		*25 - 119*	*08/24/15 07:25*	*08/26/15 06:45*	*1*
2-Fluorophenol	*93*		*25 - 110*	*08/24/15 07:25*	*08/26/15 06:45*	*1*
Nitrobenzene-d5	*102*		*25 - 115*	*08/24/15 07:25*	*08/26/15 06:45*	*1*
Phenol-d5	*88*		*31 - 110*	*08/24/15 07:25*	*08/26/15 06:45*	*1*
Terphenyl-d14	*126*		*36 - 134*	*08/24/15 07:25*	*08/26/15 06:45*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/21/15 09:00	08/23/15 21:57	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		08/21/15 09:00	08/23/15 21:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/15 09:00	08/23/15 21:57	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		08/21/15 09:00	08/23/15 21:57	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:57	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:57	1
Copper	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:57	1
Iron	<0.20		0.20	0.20	mg/L		08/21/15 09:00	08/23/15 21:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/15 09:00	08/23/15 21:57	1
Manganese	**1.1**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:57	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:57	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/15 09:00	08/23/15 21:57	1
Silver	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 21:57	1
Zinc	**0.047**	**J**	0.10	0.020	mg/L		08/21/15 09:00	08/23/15 21:57	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		08/23/15 16:00	08/24/15 19:13	1
Barium	**0.12**	**J**	0.50	0.050	mg/L		08/23/15 16:00	08/24/15 19:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/15 16:00	08/24/15 19:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/15 16:00	08/24/15 19:13	1
Chromium	**0.024**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:13	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:13	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:13	1
Iron	**14**		0.20	0.20	mg/L		08/23/15 16:00	08/24/15 19:13	1
Lead	**0.017**		0.0075	0.0075	mg/L		08/23/15 16:00	08/24/15 19:13	1
Manganese	**0.14**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:13	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:13	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/15 16:00	08/24/15 19:13	1

Client Sample ID: VL-10(0-6)-081815D
Date Collected: 08/18/15 13:20
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-16
Matrix: Solid
Percent Solids: 94.5

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		08/23/15 16:00	08/24/15 19:13	1
Zinc	**0.067**	**J B**	0.10	0.020	mg/L		08/23/15 16:00	08/25/15 14:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.24**	**J**	0.99	0.21	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Arsenic	**3.4**		0.50	0.23	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Barium	**13**		0.50	0.091	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Beryllium	**0.21**		0.20	0.043	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Cadmium	**0.12**		0.099	0.029	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Calcium	**7900**		9.9	3.2	mg/Kg	☼	08/20/15 09:00	08/21/15 14:21	1
Chromium	**5.3**		0.50	0.086	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Cobalt	**3.3**		0.25	0.056	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Copper	**7.0**		0.50	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Iron	**6200**		9.9	3.8	mg/Kg	☼	08/20/15 09:00	08/21/15 14:21	1
Lead	**7.9**		0.25	0.12	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Magnesium	**4000**		5.0	2.0	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Manganese	**91**		0.50	0.098	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Nickel	**7.5**		0.50	0.13	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Potassium	**650**	**B**	25	4.1	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Selenium	<0.50		0.50	0.25	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Silver	<0.25		0.25	0.058	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Sodium	**97**	**B**	50	6.6	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Thallium	<0.50		0.50	0.24	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Vanadium	**9.0**		0.25	0.073	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	1
Zinc	**24**	**B**	0.99	0.31	mg/Kg	☼	08/20/15 09:00	08/20/15 22:01	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		08/21/15 15:00	08/24/15 13:29	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		08/24/15 18:00	08/25/15 14:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**14**	**J**	17	6.0	ug/Kg	☼	08/24/15 16:30	08/25/15 13:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.25**		0.200	0.200	SU			08/21/15 14:06	1

Client Sample ID: VL-11(0-6)-081815
Date Collected: 08/18/15 14:10
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-17
Matrix: Solid
Percent Solids: 89.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/27/15 12:42	1
Benzene	<5.6		5.6	1.2	ug/Kg	☼		08/27/15 12:42	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		08/27/15 12:42	1
Bromoform	<5.6		5.6	1.1	ug/Kg	☼		08/27/15 12:42	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		08/27/15 12:42	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		08/27/15 12:42	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		08/27/15 12:42	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 12:42	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		08/27/15 12:42	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		08/27/15 12:42	1
Chloromethane	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 12:42	1
cis-1,2-Dichloroethene	<5.6		5.6	1.1	ug/Kg	☼		08/27/15 12:42	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 12:42	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	☼		08/27/15 12:42	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		08/27/15 12:42	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/27/15 12:42	1
1,1-Dichloroethene	<5.6		5.6	2.0	ug/Kg	☼		08/27/15 12:42	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		08/27/15 12:42	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		08/27/15 12:42	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		08/27/15 12:42	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		08/27/15 12:42	1
Methylene Chloride	<5.6		5.6	4.2	ug/Kg	☼		08/27/15 12:42	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		08/27/15 12:42	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		08/27/15 12:42	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 12:42	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 12:42	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.89	ug/Kg	☼		08/27/15 12:42	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		08/27/15 12:42	1
Toluene	<5.6		5.6	2.0	ug/Kg	☼		08/27/15 12:42	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		08/27/15 12:42	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		08/27/15 12:42	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 12:42	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/27/15 12:42	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		08/27/15 12:42	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		08/27/15 12:42	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		08/27/15 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 122*		*08/27/15 12:42*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*08/27/15 12:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*		*08/27/15 12:42*	*1*
Toluene-d8 (Surr)	*89*		*75 - 122*		*08/27/15 12:42*	*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	40	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1

Client Sample ID: VL-11(0-6)-081815
Date Collected: 08/18/15 14:10
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-17
Matrix: Solid
Percent Solids: 89.0

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	85	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
4-Chloroaniline	<750		750	180	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Benzo[a]anthracene	**16**	**J**	37	5.0	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Benzo[a]pyrene	**19**	**J**	37	7.2	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Benzo[b]fluoranthene	**35**	**J**	37	8.0	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Benzo[k]fluoranthene	**18**	**J**	37	11	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Carbazole	<190		190	93	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Chrysene	**19**	**J**	37	10	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Fluoranthene	**29**	**J**	37	6.9	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1

Client Sample ID: VL-11(0-6)-081815
Date Collected: 08/18/15 14:10
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-17
Matrix: Solid
Percent Solids: 89.0

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	9.7	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Isophorone	<190		190	42	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Phenanthrene	**12**	**J**	37	5.2	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Phenol	<190		190	83	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1
Pyrene	**34**	**J**	37	7.4	ug/Kg	☼	08/24/15 07:25	08/26/15 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*35 - 137*	*08/24/15 07:25*	*08/26/15 14:58*	*1*
2-Fluorobiphenyl	*102*		*25 - 119*	*08/24/15 07:25*	*08/26/15 14:58*	*1*
2-Fluorophenol	*109*		*25 - 110*	*08/24/15 07:25*	*08/26/15 14:58*	*1*
Nitrobenzene-d5	*89*		*25 - 115*	*08/24/15 07:25*	*08/26/15 14:58*	*1*
Phenol-d5	*97*		*31 - 110*	*08/24/15 07:25*	*08/26/15 14:58*	*1*
Terphenyl-d14	*131*		*36 - 134*	*08/24/15 07:25*	*08/26/15 14:58*	*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		08/21/15 09:00	08/23/15 22:04	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		08/21/15 09:00	08/23/15 22:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/15 09:00	08/23/15 22:04	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		08/21/15 09:00	08/23/15 22:04	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:04	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:04	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:04	1
Iron	<0.20		0.20	0.20	mg/L		08/21/15 09:00	08/23/15 22:04	1
Lead	**0.0077**		0.0075	0.0075	mg/L		08/21/15 09:00	08/23/15 22:04	1
Manganese	**1.9**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:04	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:04	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/15 09:00	08/23/15 22:04	1
Silver	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:04	1
Zinc	**1.2**		0.10	0.020	mg/L		08/21/15 09:00	08/23/15 22:04	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		08/23/15 16:00	08/24/15 19:20	1
Barium	**0.12**	**J**	0.50	0.050	mg/L		08/23/15 16:00	08/24/15 19:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/15 16:00	08/24/15 19:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/15 16:00	08/24/15 19:20	1
Chromium	**0.022**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:20	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:20	1
Copper	**0.020**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:20	1
Iron	**14**		0.20	0.20	mg/L		08/23/15 16:00	08/24/15 19:20	1
Lead	**0.024**		0.0075	0.0075	mg/L		08/23/15 16:00	08/24/15 19:20	1
Manganese	**0.089**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:20	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:20	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/15 16:00	08/24/15 19:20	1

Client Sample ID: VL-11(0-6)-081815
Date Collected: 08/18/15 14:10
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-17
Matrix: Solid
Percent Solids: 89.0

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		08/23/15 16:00	08/24/15 19:20	1
Zinc	**0.11**	**B**	0.10	0.020	mg/L		08/23/15 16:00	08/25/15 15:03	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	☼	08/20/15 09:00	08/20/15 22:16	1
Arsenic	**0.92**		0.53	0.24	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Barium	**9.0**		0.53	0.096	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Beryllium	**0.10**	**J**	0.21	0.046	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Cadmium	**0.048**	**J**	0.11	0.031	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Calcium	**1400**		11	3.4	mg/Kg	☼	08/20/15 09:00	08/21/15 14:33	1
Chromium	**2.0**		0.53	0.091	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Cobalt	**0.50**		0.26	0.060	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Copper	**1.2**		0.53	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Iron	**1300**		11	4.1	mg/Kg	☼	08/20/15 09:00	08/21/15 14:33	1
Lead	**3.4**		0.26	0.13	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Magnesium	**750**		5.3	2.1	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Manganese	**41**		0.53	0.10	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Nickel	**1.2**		0.53	0.14	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Potassium	**230**	**B**	26	4.3	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Silver	<0.26		0.26	0.062	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Sodium	**67**	**B**	53	7.0	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Vanadium	**3.3**		0.26	0.077	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	1
Zinc	**9.2**	**B**	1.1	0.33	mg/Kg	☼	08/20/15 09:00	08/20/15 22:16	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		08/21/15 15:00	08/24/15 13:30	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		08/24/15 18:00	08/25/15 14:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.4**	**J**	17	5.8	ug/Kg	☼	08/24/15 16:30	08/25/15 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.46**		0.200	0.200	SU			08/21/15 14:13	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
*	LCS or LCSD is outside acceptance limits.

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100041-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL T

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

500-100041 COC

(optional)

Report To
Contact: S Babusukumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste. 202
Address: Vlundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7234
E-Mail: S.Babusukumar@westarsolutions.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-100041

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.7

Client	Client Project #
Weston Solutions Inc.	02056.014.026.0880
Project Name: IDOT 026-Thorton-Lansing Road	
Project Location/State: Lansing, IL	Lab Project #
Sampler: M. Doheny-Skubic	Lab PM: D Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	7	7	7	7	7					Comments
							Parameter	VOCs	SVOCs	Total Metals	TCLP SPLP Metals	pH					
1		VL-1(0-6)-081815	8-18-15	0945	2	S		X	X	X	X	X					
2		VL-1(0-6)-081815D		0945	2	S		X	X	X	X	X					
3		VL-2(0-6)-081815		1005	2	S		X	X	X	X	X					
4		VL-3(0-6)-081815		1015	2	S		X	X	X	X	X					
5		VL-4(0-6)-081815		1035	2	S		X	X	X	X	X					
6		VL-5(0-6)-081815		1053	2	S		X	X	X	X	X					
7		VL-5(6-10)-081815		1058	2	S		X	X	X	X	X					
8		VL-5-081815		1110	5	W		X	X	X							
9		VL-5-081815D	8-18-15	1110	5	W		X	X	X							
10		TRIPBLANK1	8-1815	—	2	W		X									

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days (7 Days) ___ 10 Days ___ 15 Days Standard TAT 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
Mdoheny-Skubic	Weston	8-18-15	1605	[illegible]	TA	8/18/15	1605
[illegible]	TA	8/18/15	1643	[illegible]	TA-CHI	8/19/15	0730

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

8/28/2015

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Babu Kumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste. 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7234
E-Mail: S.BabuKumar@WestonSolutions.com

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

Chain of Custody Record

Lab Job #: 500-100041
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client	Client Project #
Weston Solutions	02056.014.026.0030
Project Name	
IDOT 026-Thorton-Lansing Road	
Project Location/State	Lab Project #
Lansing, IL	
Sampler	Lab PM
M. Doheny-SK-bic	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	7	7	7	7	7					Comments
							Parameter	VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	pH					
11		VL-6(0-6)-081815	8-18-15	1215	2	S		X	X	X	X	X					
12		VL-7(0-6)-081815		1230													
13		VL-8(0-6)-081815		1242													
14		VL-9(0-6)-081815		1300													
15		VL-10(0-6)-081815		1320													
16		VL-10(0-6)-081815D		1320													
17		VL-11(0-6)-081815		1410													
18		R2-1(0-6)-081815		1435													
19		WC-1(0-6)-081815		1445													
20		WC-2(0-6)-081815	8-18-15	1305	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days (7 Days) ___ 10 Days ___ 15 Days Standard 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
[illegible]	Weston	8-18-15	1605	J. Neal	TA	8/18/15	1605
J. Neal	TA	8/18/15	1643	[illegible]	TA-CHI	8/19/15	0730

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)
8/28/2015

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island Ave Office Phone Number, if available: _____

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

1554 180th Street, 18007-18025 Charlotte Lane, and 18019-18020 Brittany Lane (ISGS Site No. 997V2-11)

City: Lansing State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.568096348 (Decimal Degrees) Longitude: -87.578159144 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island

Latitude: 41.568096348 Longitude: -87.578159144

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATION R2-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 997V2-11. SEE FIGURE 3-3 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-100041-1.
ALSO SEE FIGURE 4-3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

16 Dec. 2016
Date:

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

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

Summary Table of ISGS Site No. 997V2-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	R2-1(0-6)-081815	**Soil Reference Concentrations[A]**
Sample Date	8/18/2015	
Location ID	R2-1	
Depth	0 - 6	
ISGS Site No.	997V2-11	
Parameter		
Laboratory pH (s.u.)	8.27	<6.25, >9.0
Total Metals (mg/kg)		
Antimony, Total	0.25 J	5
Arsenic, Total	6.5	11.3 / 13
Barium, Total	7.5 J	1500
Beryllium, Total	0.17 J	22
Cadmium, Total	0.12	5.2
Calcium, Total	440 J	---
Chromium, Total	5.9 J	21
Cobalt, Total	2.3	20
Copper, Total	2.1 J	2900
Iron, Total	8400 J	15000 / 15900
Lead, Total	7.9 J	107
Magnesium, Total	880 J	325000
Manganese, Total	24 J	630 / 636
Nickel, Total	5.4	100
Potassium, Total	370 J	---
Selenium, Total	0.47 J	1.3
Sodium, Total	270 J	---
Vanadium, Total	20 J	550
Zinc, Total	14 J	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.11 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.44	0.15
Nickel, TCLP	ND	0.1
Selenium, TCLP	ND	0.05
Zinc, TCLP	0.063 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	ND	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	ND	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	ND	0.65
Iron, SPLP	0.39 J+	5
Lead, SPLP	ND	0.0075
Manganese, SPLP	ND	0.15
Nickel, SPLP	ND	0.1
Selenium, SPLP	ND	0.05
Zinc, SPLP	ND	5

Notes:

--- - not applicable or value not available.

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

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-100041-1
Client Project/Site: IDOT - Lansing - WO 026

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

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:
8/28/2015 3:43:34 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

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: R2-1(0-6)-081815
Date Collected: 08/18/15 14:35
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-18
Matrix: Solid
Percent Solids: 86.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		08/27/15 13:05	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		08/27/15 13:05	1
Bromodichloromethane	<5.8		5.8	0.98	ug/Kg	☼		08/27/15 13:05	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 13:05	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 13:05	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 13:05	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 13:05	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 13:05	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		08/27/15 13:05	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		08/27/15 13:05	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 13:05	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 13:05	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		08/27/15 13:05	1
Dibromochloromethane	<5.8		5.8	0.67	ug/Kg	☼		08/27/15 13:05	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 13:05	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/27/15 13:05	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 13:05	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		08/27/15 13:05	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		08/27/15 13:05	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 13:05	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		08/27/15 13:05	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		08/27/15 13:05	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		08/27/15 13:05	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 13:05	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 13:05	1
Styrene	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 13:05	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.92	ug/Kg	☼		08/27/15 13:05	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		08/27/15 13:05	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		08/27/15 13:05	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 13:05	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		08/27/15 13:05	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		08/27/15 13:05	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		08/27/15 13:05	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		08/27/15 13:05	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		08/27/15 13:05	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		08/27/15 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 122*		*08/27/15 13:05*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*08/27/15 13:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*08/27/15 13:05*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*		*08/27/15 13:05*	*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	☼	08/24/15 07:25	08/26/15 15:24	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1

Client Sample ID: R2-1(0-6)-081815
Date Collected: 08/18/15 14:35
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-18
Matrix: Solid
Percent Solids: 86.4

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	86	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2-Methylphenol	<190		190	60	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Anthracene	<37		37	6.3	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Benzo[a]anthracene	<37		37	5.1	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Carbazole	<190		190	94	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Chrysene	<37		37	10	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Dibenzofuran	<190		190	44	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Fluoranthene	<37		37	7.0	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Fluorene	<37		37	5.3	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Hexachloroethane	<190		190	57	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1

Client Sample ID: R2-1(0-6)-081815
Date Collected: 08/18/15 14:35
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-18
Matrix: Solid
Percent Solids: 86.4

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	9.8	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Isophorone	<190		190	42	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Naphthalene	<37		37	5.8	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Phenanthrene	<37		37	5.3	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Phenol	<190		190	84	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1
Pyrene	<37		37	7.5	ug/Kg	☼	08/24/15 07:25	08/26/15 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*57*		*35 - 137*	*08/24/15 07:25*	*08/26/15 15:24*	*1*
2-Fluorobiphenyl	*101*		*25 - 119*	*08/24/15 07:25*	*08/26/15 15:24*	*1*
2-Fluorophenol	*108*		*25 - 110*	*08/24/15 07:25*	*08/26/15 15:24*	*1*
Nitrobenzene-d5	*90*		*25 - 115*	*08/24/15 07:25*	*08/26/15 15:24*	*1*
Phenol-d5	*96*		*31 - 110*	*08/24/15 07:25*	*08/26/15 15:24*	*1*
Terphenyl-d14	*112*		*36 - 134*	*08/24/15 07:25*	*08/26/15 15:24*	*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		08/21/15 09:00	08/23/15 22:10	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		08/21/15 09:00	08/23/15 22:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/15 09:00	08/23/15 22:10	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		08/21/15 09:00	08/23/15 22:10	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:10	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:10	1
Copper	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:10	1
Iron	<0.20		0.20	0.20	mg/L		08/21/15 09:00	08/23/15 22:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/15 09:00	08/23/15 22:10	1
Manganese	**0.44**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:10	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:10	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/15 09:00	08/23/15 22:10	1
Silver	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:10	1
Zinc	**0.063**	**J**	0.10	0.020	mg/L		08/21/15 09:00	08/23/15 22:10	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		08/23/15 16:00	08/24/15 19:26	1
Barium	<0.50		0.50	0.050	mg/L		08/23/15 16:00	08/24/15 19:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/15 16:00	08/24/15 19:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/15 16:00	08/24/15 19:26	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:26	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:26	1
Copper	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:26	1
Iron	**0.39**		0.20	0.20	mg/L		08/23/15 16:00	08/24/15 19:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/15 16:00	08/24/15 19:26	1
Manganese	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:26	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:26	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/15 16:00	08/24/15 19:26	1

Client Sample ID: R2-1(0-6)-081815
Date Collected: 08/18/15 14:35
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-18
Matrix: Solid
Percent Solids: 86.4

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		08/23/15 16:00	08/24/15 19:26	1
Zinc	**0.094**	**J B**	0.10	0.020	mg/L		08/23/15 16:00	08/25/15 15:09	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	☼	08/20/15 09:00	08/20/15 22:20	1
Arsenic	**6.5**		0.58	0.27	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Barium	**7.5**		0.58	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Beryllium	**0.17**	**J**	0.23	0.050	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Cadmium	**0.12**		0.12	0.033	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Calcium	**440**		12	3.7	mg/Kg	☼	08/20/15 09:00	08/21/15 14:37	1
Chromium	**5.9**		0.58	0.099	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Cobalt	**2.3**		0.29	0.065	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Copper	**2.1**		0.58	0.12	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Iron	**8400**		12	4.4	mg/Kg	☼	08/20/15 09:00	08/21/15 14:37	1
Lead	**7.9**		0.29	0.14	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Magnesium	**880**		5.8	2.3	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Manganese	**24**		0.58	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Nickel	**5.4**		0.58	0.16	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Potassium	**370**	**B**	29	4.7	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Selenium	**0.47**	**J**	0.58	0.29	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Sodium	**270**	**B**	58	7.6	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Vanadium	**20**		0.29	0.084	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	1
Zinc	**14**	**B**	1.2	0.36	mg/Kg	☼	08/20/15 09:00	08/20/15 22:20	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		08/21/15 15:00	08/24/15 13:33	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		08/24/15 18:00	08/25/15 14:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<19		19	6.6	ug/Kg	☼	08/24/15 16:30	08/25/15 13:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.27**		0.200	0.200	SU			08/21/15 14:20	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
*	LCS or LCSD is outside acceptance limits.

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100041-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL T

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

500-100041 COC

(optional)

Report To
Contact: S Babusukumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste. 202
Address: Vlundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7234
E-Mail: S.Babusukumar@westarsolutions.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-100041

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.7

Client	Client Project #
Weston Solutions Inc.	02056.014.026.0880
Project Name: IDOT 026-Thorton-Lansing Road	
Project Location/State: Lansing, IL	Lab Project #
Sampler: M. Doheny-Skubic	Lab PM: D Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	7	7	7	7	7					Comments
							Parameter	VOCs	SVOCs	Total Metals	TCLP SPLP Metals	pH					
1		VL-1(0-6)-081815	8-18-15	0945	2	S		X	X	X	X	X					
2		VL-1(0-6)-081815D		0945	2	S		X	X	X	X	X					
3		VL-2(0-6)-081815		1005	2	S		X	X	X	X	X					
4		VL-3(0-6)-081815		1015	2	S		X	X	X	X	X					
5		VL-4(0-6)-081815		1035	2	S		X	X	X	X	X					
6		VL-5(0-6)-081815		1053	2	S		X	X	X	X	X					
7		VL-5(6-10)-081815		1058	2	S		X	X	X	X	X					
8		VL-5-081815		1110	5	W		X	X	X							
9		VL-5-081815D	8-18-15	1110	5	W		X	X	X							
10		TRIPBLANK1	8-1815	—	2	W		X									

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days (7 Days) ___ 10 Days ___ 15 Days Standard TAT 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
Mdoheny-Skubic	Weston	8-18-15	1605	[illegible]	TA	8/18/15	1605
[illegible]	TA	8/18/15	1643	[illegible]	TA-CHI	8/19/15	0730

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

8/28/2015

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Babu Kumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste. 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7234
E-Mail: S.BabuKumar@WestonSolutions.com

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

Chain of Custody Record

Lab Job #: 500-100041
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client	Client Project #
Weston Solutions	02056.014.026.0030
Project Name	
IDOT 026-Thorton-Lansing Road	
Project Location/State	Lab Project #
Lansing, IL	
Sampler	Lab PM
M. Doheny-SK-bic	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	7	7	7	7	7					Comments
							Parameter	VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	pH					
11		VL-6(0-6)-081815	8-18-15	1215	2	S		X	X	X	X	X					
12		VL-7(0-6)-081815		1230													
13		VL-8(0-6)-081815		1242													
14		VL-9(0-6)-081815		1300													
15		VL-10(0-6)-081815		1320													
16		VL-10(0-6)-081815D		1320													
17		VL-11(0-6)-081815		1410													
18		R2-1(0-6)-081815		1435													
19		WC-1(0-6)-081815		1445													
20		WC-2(0-6)-081815	8-18-15	1305	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days (7 Days) ___ 10 Days ___ 15 Days Standard 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
[illegible]	Weston	8-18-15	1605	J. Neal	TA	8/18/15	1605
J. Neal	TA	8/18/15	1643	[illegible]	TA-CHI	8/19/15	0730

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)
8/28/2015

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island Ave Office Phone Number, if available: _____

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

1700 block of Thornton-Lansing Road (ISGS Site No. 997V2-14)

City: Lansing State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.569945347 (Decimal Degrees) Longitude: -87.578071744 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island A

Latitude: 41.569945347 Longitude: -87.578071744

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS WC-1 THROUGH WC-10 WERE SAMPLED ADJACENT TO ISGS SITE No. 997V2-14. SEE FIGURES 3-1 THROUGH 3-3 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-100041-1 AND 500-100116-1.
ALSO SEE FIGURES 4-1, 4-2, AND 4-3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

16 Dec. 2016
Date:

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

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

Summary Table of ISGS Site No. 997V2-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	WC-1(0-6)-081815	WC-2(0-6)-081815	WC-3(0-6)-081915	WC-4(0-6)-081915	**Soil Reference Concentrations[A]**
Sample Date	8/18/2015	8/18/2015	8/19/2015	8/19/2015	
Location ID	WC-1	WC-2	WC-3	WC-4	
Depth	0 - 6	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-14	997V2-14	997V2-14	997V2-14	
Parameter					
Laboratory pH (s.u.)	8.28	8.85	8.37	8.86	<6.25, >9.0
VOCs (ug/kg)					
Acetone	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	---
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	ND	ND	ND	---
Acenaphthylene	ND	ND	ND	ND	---
Anthracene	ND	ND	11 J	31 J	1.20E+07
Benzo(a)anthracene	11 J	19 J	110	150	900 / 1100 / 1800
Benzo(a)pyrene	ND	26 J	130 J+	180	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	41	230 J+	310	900 / 1500 /2100
Benzo(g,h,i)perylene	ND	30 J	61	62	---
Benzo(k)fluoranthene	ND	16 J	76 J+	120	9000
Chrysene	14 J	26 J	130	180	88000
Fluoranthene	18 J	28 J	180	280	3100000
Indeno(1,2,3-cd)pyrene	ND	17 J	64	64	900 / 900 / 1600
Phenanthrene	ND	12 J	62	120	---
Pyrene	22 J	41	290 J+	370	2300000
Total Metals (mg/kg)					
Antimony, Total	ND	ND	ND	0.25 J	5
Arsenic, Total	2.9	4.9	1.6 J	2.7 J	11.3 / 13
Barium, Total	15 J	14 J	11	11	1500
Beryllium, Total	0.15 J	0.22	0.13 J	0.18 J	22
Cadmium, Total	0.19	0.14	0.095 J	0.15	5.2
Calcium, Total	11000 J	21000 J	13000 J	12000 J	---
Chromium, Total	3.2 J	4.9 J	3.6	5.4	21
Cobalt, Total	1.8	3.4	1.1	2	20
Copper, Total	3.6 J	6.5 J	4.1 J	5.9 J	2900
Iron, Total	3600 J	5700 J	2800 J+	4500 J+	15000 / 15900
Lead, Total	11 J	17 J	10	31	107
Magnesium, Total	7400 J	16000 J	7800 J	7400 J	325000
Manganese, Total	44 J	75 J	46 J	97 J	630 / 636
Mercury, Total	0.0091 J	0.01 J	0.011 J	0.022	0.89
Nickel, Total	3.9	6.9	3.5 J	4.6 J	100
Potassium, Total	300 J	690 J	200 J+	400 J+	---
Selenium, Total	0.38 J	ND	ND	ND	1.3
Sodium, Total	320 J	560 J	530 J	600 J	---
Vanadium, Total	6.3 J	10 J	5.4	8.4	550
Zinc, Total	27 J	32 J	17	34	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.14 J	0.25 J	0.17 J	0.14 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	0.021	0.0075
Manganese, TCLP	0.16	0.97	0.71	0.67	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.27	0.054 J	0.25	0.072 J	5

Summary Table of ISGS Site No. 997V2-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	WC-1(0-6)-081815	WC-2(0-6)-081815	WC-3(0-6)-081915	WC-4(0-6)-081915	**Soil Reference Concentrations[A]**
Sample Date	8/18/2015	8/18/2015	8/19/2015	8/19/2015	
Location ID	WC-1	WC-2	WC-3	WC-4	
Depth	0 - 6	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-14	997V2-14	997V2-14	997V2-14	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	0.018 J	ND	ND	0.05
Barium, SPLP	0.056 J	0.12 J	0.078 J	0.13 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	0.037	ND	0.013 J	0.1
Cobalt, SPLP	ND	0.013 J	ND	ND	1
Copper, SPLP	ND	0.031	0.017 J	0.015 J	0.65
Iron, SPLP	0.95 J+	31 J+	2.2	4.5	5
Lead, SPLP	0.0082	0.059	0.013	0.034	0.0075
Manganese, SPLP	0.012 J	0.23	0.031	0.067	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	0.032	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	0.17	0.16	5

Summary Table of ISGS Site No. 997V2-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	WC-5(0-6)-081915	WC-6(0-6)-081915	WC-6(6-8)-081915	WC-7(0-6)-081915	**Soil Reference Concentrations[A]**
Sample Date	8/19/2015	8/19/2015	8/19/2015	8/19/2015	
Location ID	WC-5	WC-6	WC-6	WC-7	
Depth	0 - 6	0 - 6	6 - 8	0 - 6	
ISGS Site No.	997V2-14	997V2-14	997V2-14	997V2-14	
Parameter					
Laboratory pH (s.u.)	8.91	7.8	7.97	8.68	<6.25, >9.0
VOCs (ug/kg)					
Acetone	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	---
SVOCs (ug/kg)					
2-Methylnaphthalene	23 J	ND	ND	ND	---
Acenaphthylene	ND	80 J	ND	ND	---
Anthracene	ND	66 J	ND	72 J	1.20E+07
Benzo(a)anthracene	28 J	410	ND	570 J	900 / 1100 / 1800
Benzo(a)pyrene	35 J	530	ND	520 J	90 / 1300 / 2100
Benzo(b)fluoranthene	62	830	ND	880 J	900 / 1500 /2100
Benzo(g,h,i)perylene	ND	230	ND	180 J	---
Benzo(k)fluoranthene	26 J	510	ND	430 J	9000
Chrysene	43	470	ND	630 J	88000
Fluoranthene	55	670	ND	990 J	3100000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	210	900 / 900 / 1600
Phenanthrene	51	250	ND	430 J	---
Pyrene	50	1000	ND	1400 J	2300000
Total Metals (mg/kg)					
Antimony, Total	0.27 J	ND	ND	ND	5
Arsenic, Total	3.6 J	4.3 J	1.3 J	2.3 J	11.3 / 13
Barium, Total	16	31	6.3	12	1500
Beryllium, Total	0.24	0.35	0.11 J	0.15 J	22
Cadmium, Total	0.28	0.39	ND	0.14	5.2
Calcium, Total	15000 J	13000 J	260 J	9900 J	---
Chromium, Total	5.3	9.8	2.8	7.3	21
Cobalt, Total	2.5	3.3	1.7	1.4	20
Copper, Total	8.8 J	14 J	2 J	6.8 J	2900
Iron, Total	6200 J+	7400 J+	2800 J+	4300 J+	15000 / 15900
Lead, Total	43	79	2	30	107
Magnesium, Total	9000 J	7100 J	510 J	6100 J	325000
Manganese, Total	92 J	210 J	22 J	120 J	630 / 636
Mercury, Total	0.014 J	0.047	ND	0.018	0.89
Nickel, Total	5.3 J	7.8 J	3.7 J	3.3 J	100
Potassium, Total	500 J+	680 J+	240 J+	250 J+	---
Selenium, Total	ND	ND	ND	ND	1.3
Sodium, Total	850 J	200 J	230 J	510 J	---
Vanadium, Total	9.8	12	5.8	7.9	550
Zinc, Total	39	95	11	25	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.25 J	0.39 J	0.15 J	0.23 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.0032 J	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	ND	0.011 J	0.011 J	0.014 J	0.65
Iron, TCLP	ND	ND	1.4	ND	5
Lead, TCLP	0.017	0.016	ND	0.041	0.0075
Manganese, TCLP	0.83	0.41	0.019 J	0.46	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.19	0.47	0.17	0.17	5

Summary Table of ISGS Site No. 997V2-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	WC-5(0-6)-081915	WC-6(0-6)-081915	WC-6(6-8)-081915	WC-7(0-6)-081915	**Soil Reference Concentrations[A]**
Sample Date	8/19/2015	8/19/2015	8/19/2015	8/19/2015	
Location ID	WC-5	WC-6	WC-6	WC-7	
Depth	0 - 6	0 - 6	6 - 8	0 - 6	
ISGS Site No.	997V2-14	997V2-14	997V2-14	997V2-14	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.01 J	ND	ND	ND	0.05
Barium, SPLP	0.15 J	0.18 J	0.081 J	0.095 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.021 J	0.022 J	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	1
Copper, SPLP	0.024 J	0.026	ND	0.013 J	0.65
Iron, SPLP	13	12	2.4	0.36 J	5
Lead, SPLP	0.086	0.11	ND	0.028	0.0075
Manganese, SPLP	0.16	0.14	0.015 J	0.014 J	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.015 J	0.014 J	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.21	0.34	0.073 J	0.15	5

Summary Table of ISGS Site No. 997V2-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	WC-7(0-6)-081915D	WC-8(0-6)-081915	WC-9(0-6)-081915	WC-10(0-6)-081915	**Soil Reference Concentrations[A]**
Sample Date	8/19/2015	8/19/2015	8/19/2015	8/19/2015	
Location ID	WC-7	WC-8	WC-9	WC-10	
Depth	0 - 6	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-14	997V2-14	997V2-14	997V2-14	
Parameter					
Laboratory pH (s.u.)	8.54	8.33	8.51	8.71	<6.25, >9.0
VOCs (ug/kg)					
Acetone	ND	42	ND	ND	25000
Methyl ethyl ketone	ND	3.3 J	ND	ND	---
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	ND	ND	ND	---
Acenaphthylene	ND	ND	ND	ND	---
Anthracene	33 J	ND	6.8 J	ND	1.20E+07
Benzo(a)anthracene	300 J	7.6 J	38	16 J	900 / 1100 / 1800
Benzo(a)pyrene	290 J	ND	48	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	510 J	ND	90	37	900 / 1500 /2100
Benzo(g,h,i)perylene	110 J	ND	ND	ND	---
Benzo(k)fluoranthene	230 J	ND	43	19 J	9000
Chrysene	340 J	9.4 J	59	26 J	88000
Fluoranthene	470 J	13 J	65	27 J	3100000
Indeno(1,2,3-cd)pyrene	120 J	ND	ND	ND	900 / 900 / 1600
Phenanthrene	130 J	63	33 J	14 J	---
Pyrene	700 J	20 J	99	42	2300000
Total Metals (mg/kg)					
Antimony, Total	ND	ND	ND	ND	5
Arsenic, Total	2.4 J	2.8 J	3.1 J	2.3 J	11.3 / 13
Barium, Total	14	9	11	9.2	1500
Beryllium, Total	0.16 J	0.13 J	0.15 J	0.12 J	22
Cadmium, Total	0.17	0.056 J	0.17	0.13	5.2
Calcium, Total	13000 J	620 J	16000 J	7600 J	---
Chromium, Total	4.9	3.4	4.7	3.7	21
Cobalt, Total	1.4	1.6	1.6	1.3	20
Copper, Total	9.9 J	4.4 J	9.5 J	5.7 J	2900
Iron, Total	4100 J+	3600 J+	4100 J+	3500 J+	15000 / 15900
Lead, Total	46	4.8	36 B	25 B	107
Magnesium, Total	7400 J	650 J	9700 J	4700 J	325000
Manganese, Total	77 J	30 J	64 J	43 J	630 / 636
Mercury, Total	0.016 J	0.015 J	0.013 J	0.01 J	0.89
Nickel, Total	3.6 J	3.4 J	3.9 J	3.3 J	100
Potassium, Total	260 J+	200 J+	300 J+	200 J+	---
Selenium, Total	ND	ND	ND	ND	1.3
Sodium, Total	600 J	530 J	190 J	150 J	---
Vanadium, Total	7.2	7.7	8.3	6.2	550
Zinc, Total	33	13	29	25	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	0.01 J	ND	ND	0.05
Barium, TCLP	0.26 J	0.15 J	0.23 J	0.2 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0024 J	ND	0.0033 J	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	0.015 J	0.013 J	0.016 J	0.011 J	0.65
Iron, TCLP	ND	0.76	ND	ND	5
Lead, TCLP	0.042	ND	0.046	0.047	0.0075
Manganese, TCLP	0.5	0.25	0.5	0.39	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.26	0.56	0.54	0.15	5

Summary Table of ISGS Site No. 997V2-14
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	WC-7(0-6)-081915D	WC-8(0-6)-081915	WC-9(0-6)-081915	WC-10(0-6)-081915	**Soil Reference Concentrations[A]**
Sample Date	8/19/2015	8/19/2015	8/19/2015	8/19/2015	
Location ID	WC-7	WC-8	WC-9	WC-10	
Depth	0 - 6	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-14	997V2-14	997V2-14	997V2-14	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	ND	ND	0.05
Barium, SPLP	0.079 J	0.091 J	0.075 J	0.075 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	1
Copper, SPLP	0.015 J	0.013 J	0.017 J	0.018 J	0.65
Iron, SPLP	0.73 J	0.28	ND	2	5
Lead, SPLP	0.022	ND	0.025	0.05	0.0075
Manganese, SPLP	0.02 J	0.051	ND	0.035	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.092 J	0.24	0.21	0.12	5

Notes:

--- - not applicable or value not available.

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

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-100041-1
Client Project/Site: IDOT - Lansing - WO 026

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

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:
8/28/2015 3:43:34 PM
Jodie Bracken, Project Management Assistant II
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Designee for

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-100116-1
Client Project/Site: IDOT - Lansing - WO 026

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

Attn: Mr. S. Babusukumar

Authorized for release by:
8/31/2015 2:45:32 PM

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

Client Sample ID: WC-3(0-6)-081915
Date Collected: 08/19/15 08:20
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-1
Matrix: Solid
Percent Solids: 91.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		08/25/15 23:21	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		08/25/15 23:21	1
Bromodichloromethane	<5.5		5.5	0.92	ug/Kg	☼		08/25/15 23:21	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:21	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		08/25/15 23:21	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		08/25/15 23:21	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		08/25/15 23:21	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:21	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		08/25/15 23:21	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:21	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:21	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:21	1
cis-1,3-Dichloropropene	<5.5		5.5	1.2	ug/Kg	☼		08/25/15 23:21	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		08/25/15 23:21	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:21	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		08/25/15 23:21	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		08/25/15 23:21	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		08/25/15 23:21	1
1,3-Dichloropropene, Total	<5.5		5.5	1.5	ug/Kg	☼		08/25/15 23:21	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		08/25/15 23:21	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		08/25/15 23:21	1
Methylene Chloride	<5.5		5.5	4.1	ug/Kg	☼		08/25/15 23:21	1
Methyl Ethyl Ketone	<5.5		5.5	1.9	ug/Kg	☼		08/25/15 23:21	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:21	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:21	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:21	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/25/15 23:21	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:21	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		08/25/15 23:21	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		08/25/15 23:21	1
trans-1,3-Dichloropropene	<5.5		5.5	1.5	ug/Kg	☼		08/25/15 23:21	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:21	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:21	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		08/25/15 23:21	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:21	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/25/15 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*08/25/15 23:21*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/25/15 23:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*		*08/25/15 23:21*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*08/25/15 23:21*	*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	☼	08/25/15 17:33	08/28/15 16:52	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1

Client Sample ID: WC-3(0-6)-081915
Date Collected: 08/19/15 08:20
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-1
Matrix: Solid
Percent Solids: 91.4

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	☼	08/25/15 17:33	08/28/15 16:52	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2,4-Dinitrophenol	<720	F1 *	720	630	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2-Methylphenol	<180		180	58	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
4,6-Dinitro-2-methylphenol	<360	*	360	290	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Acenaphthene	<36		36	6.4	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Anthracene	**11**	**J**	36	6.0	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Benzo[a]anthracene	**110**		36	4.8	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Benzo[a]pyrene	**130**		36	6.9	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Benzo[b]fluoranthene	**230**	**F1**	36	7.7	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Benzo[g,h,i]perylene	**61**		36	12	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Benzo[k]fluoranthene	**76**	**F1**	36	11	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Bis(2-ethylhexyl) phthalate	<180	F1	180	66	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Butyl benzyl phthalate	<180	F1	180	68	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Carbazole	<180		180	90	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Chrysene	**130**		36	9.8	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Dibenz(a,h)anthracene	<36		36	6.9	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Dibenzofuran	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Di-n-octyl phthalate	<180	F1	180	59	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Fluoranthene	**180**		36	6.7	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Fluorene	<36		36	5.0	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Hexachlorocyclopentadiene	<720	F1	720	210	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Hexachloroethane	<180		180	55	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1

Client Sample ID: WC-3(0-6)-081915
Date Collected: 08/19/15 08:20
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-1
Matrix: Solid
Percent Solids: 91.4

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	**64**		36	9.3	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Isophorone	<180		180	40	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Naphthalene	<36		36	5.5	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Pentachlorophenol	<720	F1	720	580	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Phenanthrene	**62**		36	5.0	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Phenol	<180		180	80	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1
Pyrene	**290**	**F1**	36	7.1	ug/Kg	☼	08/25/15 17:33	08/28/15 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*35 - 137*	*08/25/15 17:33*	*08/28/15 16:52*	*1*
2-Fluorobiphenyl	*90*		*25 - 119*	*08/25/15 17:33*	*08/28/15 16:52*	*1*
2-Fluorophenol	*88*		*25 - 110*	*08/25/15 17:33*	*08/28/15 16:52*	*1*
Nitrobenzene-d5	*76*		*25 - 115*	*08/25/15 17:33*	*08/28/15 16:52*	*1*
Phenol-d5	*85*		*31 - 110*	*08/25/15 17:33*	*08/28/15 16:52*	*1*
Terphenyl-d14	*173*	*X*	*36 - 134*	*08/25/15 17:33*	*08/28/15 16:52*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/15 10:00	08/25/15 18:31	1
Barium	**0.17**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 18:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 18:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 18:31	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:31	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:31	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:31	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/25/15 18:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 18:31	1
Manganese	**0.71**		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:31	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:31	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 18:31	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:31	1
Zinc	**0.25**		0.10	0.020	mg/L		08/25/15 10:00	08/25/15 18:31	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		08/25/15 11:00	08/25/15 20:11	1
Barium	**0.078**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 20:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 20:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 20:11	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 20:11	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 20:11	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 20:11	1
Iron	**2.2**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 20:11	1
Lead	**0.013**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 20:11	1
Manganese	**0.031**		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 20:11	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 20:11	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 20:11	1

Client Sample ID: WC-3(0-6)-081915
Date Collected: 08/19/15 08:20
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-1
Matrix: Solid
Percent Solids: 91.4

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		08/25/15 11:00	08/25/15 20:11	1
Zinc	**0.17**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 20:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1	F1	1.1	0.23	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Arsenic	**1.6**	**F2 F1**	0.54	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Barium	**11**		0.54	0.099	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Beryllium	**0.13**	**J**	0.22	0.047	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Cadmium	**0.095**	**J**	0.11	0.031	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Calcium	**13000**	**F2**	11	3.5	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Chromium	**3.6**		0.54	0.093	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Cobalt	**1.1**		0.27	0.061	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Copper	**4.1**		0.54	0.12	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Iron	**2800**		11	4.2	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Lead	**10**		0.27	0.14	mg/Kg	☼	08/21/15 11:00	08/23/15 19:16	1
Magnesium	**7800**	**F2**	5.4	2.2	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Manganese	**46**		0.54	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Nickel	**3.5**		0.54	0.15	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Potassium	**200**	**F1**	27	4.4	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Sodium	**530**	**F1**	54	7.2	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Vanadium	**5.4**		0.27	0.079	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	1
Zinc	**17**		1.1	0.34	mg/Kg	☼	08/21/15 11:00	08/21/15 19:45	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		08/25/15 18:00	08/26/15 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/25/15 18:00	08/26/15 15:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**11**	**J**	17	6.0	ug/Kg	☼	08/25/15 16:30	08/26/15 10:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.37**		0.200	0.200	SU			08/24/15 14:51	1

Client Sample ID: WC-4(0-6)-081915
Date Collected: 08/19/15 08:35
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-2
Matrix: Solid
Percent Solids: 90.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.3	ug/Kg	☼		08/25/15 23:45	1
Benzene	<5.5		5.5	1.2	ug/Kg	☼		08/25/15 23:45	1
Bromodichloromethane	<5.5		5.5	0.93	ug/Kg	☼		08/25/15 23:45	1
Bromoform	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:45	1
Bromomethane	<5.5		5.5	2.0	ug/Kg	☼		08/25/15 23:45	1
Carbon disulfide	<5.5		5.5	2.0	ug/Kg	☼		08/25/15 23:45	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	☼		08/25/15 23:45	1
Chlorobenzene	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:45	1
Chloroethane	<5.5		5.5	2.3	ug/Kg	☼		08/25/15 23:45	1
Chloroform	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:45	1
Chloromethane	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:45	1
cis-1,2-Dichloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:45	1
cis-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:45	1
Dibromochloromethane	<5.5		5.5	0.63	ug/Kg	☼		08/25/15 23:45	1
1,1-Dichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:45	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/25/15 23:45	1
1,1-Dichloroethene	<5.5		5.5	2.0	ug/Kg	☼		08/25/15 23:45	1
1,2-Dichloropropane	<5.5		5.5	1.4	ug/Kg	☼		08/25/15 23:45	1
1,3-Dichloropropene, Total	<5.5		5.5	1.6	ug/Kg	☼		08/25/15 23:45	1
Ethylbenzene	<5.5		5.5	1.4	ug/Kg	☼		08/25/15 23:45	1
2-Hexanone	<5.5		5.5	1.7	ug/Kg	☼		08/25/15 23:45	1
Methylene Chloride	<5.5		5.5	4.2	ug/Kg	☼		08/25/15 23:45	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/25/15 23:45	1
methyl isobutyl ketone	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:45	1
Methyl tert-butyl ether	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:45	1
Styrene	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:45	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/25/15 23:45	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:45	1
Toluene	<5.5		5.5	1.9	ug/Kg	☼		08/25/15 23:45	1
trans-1,2-Dichloroethene	<5.5		5.5	1.4	ug/Kg	☼		08/25/15 23:45	1
trans-1,3-Dichloropropene	<5.5		5.5	1.6	ug/Kg	☼		08/25/15 23:45	1
1,1,1-Trichloroethane	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:45	1
1,1,2-Trichloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/25/15 23:45	1
Trichloroethene	<5.5		5.5	1.5	ug/Kg	☼		08/25/15 23:45	1
Vinyl chloride	<5.5		5.5	1.3	ug/Kg	☼		08/25/15 23:45	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/25/15 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*		*08/25/15 23:45*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/25/15 23:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*08/25/15 23:45*	*1*
Toluene-d8 (Surr)	*92*		*75 - 122*		*08/25/15 23:45*	*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	38	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2,2'-oxybis[1-chloropropane]	<180		180	40	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1

Client Sample ID: WC-4(0-6)-081915
Date Collected: 08/19/15 08:35
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-2
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	79	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2,4-Dinitrophenol	<700	*	700	610	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2,4-Dinitrotoluene	<180		180	55	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2,6-Dinitrotoluene	<180		180	68	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2-Chloronaphthalene	<180		180	38	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2-Chlorophenol	<180		180	59	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2-Methylphenol	<180		180	56	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
4,6-Dinitro-2-methylphenol	<350	*	350	280	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Anthracene	**31**	**J**	35	5.8	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Benzo[a]anthracene	**150**		35	4.7	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Benzo[a]pyrene	**180**		35	6.7	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Benzo[b]fluoranthene	**310**		35	7.5	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Benzo[g,h,i]perylene	**62**		35	11	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Benzo[k]fluoranthene	**120**		35	10	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Butyl benzyl phthalate	<180		180	66	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Carbazole	<180		180	87	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Chrysene	**180**		35	9.5	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Dibenz(a,h)anthracene	<35		35	6.7	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Fluoranthene	**280**		35	6.5	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Fluorene	<35		35	4.9	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Hexachloroethane	<180		180	53	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1

Client Sample ID: WC-4(0-6)-081915
Date Collected: 08/19/15 08:35
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-2
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**64**		35	9.0	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Isophorone	<180		180	39	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Phenanthrene	**120**		35	4.9	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Phenol	<180		180	77	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1
Pyrene	**370**		35	6.9	ug/Kg	☼	08/25/15 17:33	08/29/15 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*35 - 137*	*08/25/15 17:33*	*08/29/15 19:50*	*1*
2-Fluorobiphenyl	*87*		*25 - 119*	*08/25/15 17:33*	*08/29/15 19:50*	*1*
2-Fluorophenol	*96*		*25 - 110*	*08/25/15 17:33*	*08/29/15 19:50*	*1*
Nitrobenzene-d5	*87*		*25 - 115*	*08/25/15 17:33*	*08/29/15 19:50*	*1*
Phenol-d5	*100*		*31 - 110*	*08/25/15 17:33*	*08/29/15 19:50*	*1*
Terphenyl-d14	*142*	*X*	*36 - 134*	*08/25/15 17:33*	*08/29/15 19:50*	*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		08/25/15 10:00	08/25/15 18:51	1
Barium	**0.14**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 18:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 18:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 18:51	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:51	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:51	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:51	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/25/15 18:51	1
Lead	**0.021**		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 18:51	1
Manganese	**0.67**		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:51	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:51	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 18:51	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:51	1
Zinc	**0.072**	**J**	0.10	0.020	mg/L		08/25/15 10:00	08/25/15 18:51	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		08/25/15 11:00	08/25/15 20:54	1
Barium	**0.13**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 20:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 20:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 20:54	1
Chromium	**0.013**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 20:54	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 20:54	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 20:54	1
Iron	**4.5**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 20:54	1
Lead	**0.034**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 20:54	1
Manganese	**0.067**		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 20:54	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 20:54	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 20:54	1

Client Sample ID: WC-4(0-6)-081915
Date Collected: 08/19/15 08:35
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-2
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 20:54	1
Zinc	**0.16**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 20:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.25**	**J**	1.1	0.22	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Arsenic	**2.7**		0.54	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Barium	**11**		0.54	0.098	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Beryllium	**0.18**	**J**	0.21	0.047	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Cadmium	**0.15**		0.11	0.031	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Calcium	**12000**		11	3.5	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Chromium	**5.4**		0.54	0.092	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Cobalt	**2.0**		0.27	0.061	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Copper	**5.9**		0.54	0.12	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Iron	**4500**		11	4.1	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Lead	**31**		0.27	0.13	mg/Kg	☼	08/21/15 11:00	08/23/15 19:46	1
Magnesium	**7400**		5.4	2.2	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Manganese	**97**		0.54	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Nickel	**4.6**		0.54	0.15	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Potassium	**400**		27	4.4	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Sodium	**600**		54	7.1	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Thallium	**0.30**	**J**	0.54	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Vanadium	**8.4**		0.27	0.078	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	1
Zinc	**34**		1.1	0.34	mg/Kg	☼	08/21/15 11:00	08/21/15 20:34	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		08/25/15 18:00	08/26/15 13:39	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		08/25/15 18:00	08/26/15 15:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		18	6.2	ug/Kg	☼	08/25/15 16:30	08/26/15 10:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.86**		0.200	0.200	SU			08/24/15 14:56	1

Client Sample ID: WC-5(0-6)-081915
Date Collected: 08/19/15 08:47
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-3
Matrix: Solid
Percent Solids: 88.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		08/26/15 00:09	1
Benzene	<5.7		5.7	1.3	ug/Kg	☼		08/26/15 00:09	1
Bromodichloromethane	<5.7		5.7	0.96	ug/Kg	☼		08/26/15 00:09	1
Bromoform	<5.7		5.7	1.2	ug/Kg	☼		08/26/15 00:09	1
Bromomethane	<5.7		5.7	2.1	ug/Kg	☼		08/26/15 00:09	1
Carbon disulfide	<5.7		5.7	2.1	ug/Kg	☼		08/26/15 00:09	1
Carbon tetrachloride	<5.7		5.7	1.2	ug/Kg	☼		08/26/15 00:09	1
Chlorobenzene	<5.7		5.7	1.3	ug/Kg	☼		08/26/15 00:09	1
Chloroethane	<5.7		5.7	2.4	ug/Kg	☼		08/26/15 00:09	1
Chloroform	<5.7		5.7	1.1	ug/Kg	☼		08/26/15 00:09	1
Chloromethane	<5.7		5.7	1.4	ug/Kg	☼		08/26/15 00:09	1
cis-1,2-Dichloroethene	<5.7		5.7	1.2	ug/Kg	☼		08/26/15 00:09	1
cis-1,3-Dichloropropene	<5.7		5.7	1.3	ug/Kg	☼		08/26/15 00:09	1
Dibromochloromethane	<5.7		5.7	0.65	ug/Kg	☼		08/26/15 00:09	1
1,1-Dichloroethane	<5.7		5.7	1.2	ug/Kg	☼		08/26/15 00:09	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/26/15 00:09	1
1,1-Dichloroethene	<5.7		5.7	2.1	ug/Kg	☼		08/26/15 00:09	1
1,2-Dichloropropane	<5.7		5.7	1.5	ug/Kg	☼		08/26/15 00:09	1
1,3-Dichloropropene, Total	<5.7		5.7	1.6	ug/Kg	☼		08/26/15 00:09	1
Ethylbenzene	<5.7		5.7	1.4	ug/Kg	☼		08/26/15 00:09	1
2-Hexanone	<5.7		5.7	1.8	ug/Kg	☼		08/26/15 00:09	1
Methylene Chloride	<5.7		5.7	4.3	ug/Kg	☼		08/26/15 00:09	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		08/26/15 00:09	1
methyl isobutyl ketone	<5.7		5.7	1.2	ug/Kg	☼		08/26/15 00:09	1
Methyl tert-butyl ether	<5.7		5.7	1.3	ug/Kg	☼		08/26/15 00:09	1
Styrene	<5.7		5.7	1.3	ug/Kg	☼		08/26/15 00:09	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/26/15 00:09	1
Tetrachloroethene	<5.7		5.7	1.2	ug/Kg	☼		08/26/15 00:09	1
Toluene	<5.7		5.7	2.0	ug/Kg	☼		08/26/15 00:09	1
trans-1,2-Dichloroethene	<5.7		5.7	1.4	ug/Kg	☼		08/26/15 00:09	1
trans-1,3-Dichloropropene	<5.7		5.7	1.6	ug/Kg	☼		08/26/15 00:09	1
1,1,1-Trichloroethane	<5.7		5.7	1.3	ug/Kg	☼		08/26/15 00:09	1
1,1,2-Trichloroethane	<5.7		5.7	1.1	ug/Kg	☼		08/26/15 00:09	1
Trichloroethene	<5.7		5.7	1.5	ug/Kg	☼		08/26/15 00:09	1
Vinyl chloride	<5.7		5.7	1.3	ug/Kg	☼		08/26/15 00:09	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		08/26/15 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*08/26/15 00:09*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*08/26/15 00:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 134*		*08/26/15 00:09*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*		*08/26/15 00:09*	*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	40	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1

Client Sample ID: WC-5(0-6)-081915
Date Collected: 08/19/15 08:47
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-3
Matrix: Solid
Percent Solids: 88.2

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	☼	08/25/15 17:33	08/31/15 11:22	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2,4-Dinitrophenol	<750	*	750	650	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2-Methylnaphthalene	**23**	**J**	37	6.8	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2-Methylphenol	<190		190	59	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
4,6-Dinitro-2-methylphenol	<370	*	370	300	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Anthracene	<37		37	6.2	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Benzo[a]anthracene	**28**	**J**	37	5.0	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Benzo[a]pyrene	**35**	**J**	37	7.2	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Benzo[b]fluoranthene	**62**		37	8.0	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Benzo[k]fluoranthene	**26**	**J**	37	11	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Carbazole	<190		190	93	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Chrysene	**43**		37	10	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Dibenzofuran	<190		190	43	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Fluoranthene	**55**		37	6.9	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Fluorene	<37		37	5.2	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Hexachloroethane	<190		190	56	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1

Client Sample ID: WC-5(0-6)-081915
Date Collected: 08/19/15 08:47
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-3
Matrix: Solid
Percent Solids: 88.2

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	☼	08/25/15 17:33	08/31/15 11:22	1
Isophorone	<190		190	42	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Naphthalene	<37		37	5.7	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Phenanthrene	**51**		37	5.2	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Phenol	<190		190	82	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1
Pyrene	**50**		37	7.4	ug/Kg	☼	08/25/15 17:33	08/31/15 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*35 - 137*	*08/25/15 17:33*	*08/31/15 11:22*	*1*
2-Fluorobiphenyl	*83*		*25 - 119*	*08/25/15 17:33*	*08/31/15 11:22*	*1*
2-Fluorophenol	*83*		*25 - 110*	*08/25/15 17:33*	*08/31/15 11:22*	*1*
Nitrobenzene-d5	*71*		*25 - 115*	*08/25/15 17:33*	*08/31/15 11:22*	*1*
Phenol-d5	*78*		*31 - 110*	*08/25/15 17:33*	*08/31/15 11:22*	*1*
Terphenyl-d14	*86*		*36 - 134*	*08/25/15 17:33*	*08/31/15 11:22*	*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		08/25/15 10:00	08/25/15 18:56	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 18:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 18:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 18:56	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:56	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:56	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:56	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/25/15 18:56	1
Lead	**0.017**		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 18:56	1
Manganese	**0.83**		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:56	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:56	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 18:56	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 18:56	1
Zinc	**0.19**		0.10	0.020	mg/L		08/25/15 10:00	08/25/15 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J**	0.050	0.010	mg/L		08/25/15 11:00	08/25/15 21:01	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 21:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 21:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 21:01	1
Chromium	**0.021**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:01	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:01	1
Copper	**0.024**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:01	1
Iron	**13**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 21:01	1
Lead	**0.086**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 21:01	1
Manganese	**0.16**		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:01	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:01	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 21:01	1

Client Sample ID: WC-5(0-6)-081915
Date Collected: 08/19/15 08:47
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-3
Matrix: Solid
Percent Solids: 88.2

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		08/25/15 11:00	08/25/15 21:01	1
Zinc	**0.21**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 21:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.27**	**J**	1.1	0.23	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Arsenic	**3.6**		0.55	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Barium	**16**		0.55	0.10	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Beryllium	**0.24**		0.22	0.047	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Cadmium	**0.28**		0.11	0.032	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Calcium	**15000**		11	3.5	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Chromium	**5.3**		0.55	0.094	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Cobalt	**2.5**		0.27	0.062	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Copper	**8.8**		0.55	0.12	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Iron	**6200**		11	4.2	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Lead	**43**		0.27	0.14	mg/Kg	☼	08/21/15 11:00	08/23/15 19:50	1
Magnesium	**9000**		5.5	2.2	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Manganese	**92**		0.55	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Nickel	**5.3**		0.55	0.15	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Potassium	**500**		27	4.5	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Sodium	**850**		55	7.2	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Vanadium	**9.8**		0.27	0.080	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	1
Zinc	**39**		1.1	0.35	mg/Kg	☼	08/21/15 11:00	08/21/15 20:41	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		08/25/15 18:00	08/26/15 13:45	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		08/25/15 18:00	08/26/15 15:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**14**	**J**	18	6.4	ug/Kg	☼	08/25/15 16:30	08/26/15 10:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.91**		0.200	0.200	SU			08/24/15 15:01	1

Client Sample ID: WC-6(0-6)-081915
Date Collected: 08/19/15 09:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-4
Matrix: Solid
Percent Solids: 88.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.4	ug/Kg	☼		08/26/15 00:33	1
Benzene	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 00:33	1
Bromodichloromethane	<5.6		5.6	0.95	ug/Kg	☼		08/26/15 00:33	1
Bromoform	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 00:33	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼		08/26/15 00:33	1
Carbon disulfide	<5.6		5.6	2.1	ug/Kg	☼		08/26/15 00:33	1
Carbon tetrachloride	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 00:33	1
Chlorobenzene	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 00:33	1
Chloroethane	<5.6		5.6	2.4	ug/Kg	☼		08/26/15 00:33	1
Chloroform	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 00:33	1
Chloromethane	<5.6		5.6	1.4	ug/Kg	☼		08/26/15 00:33	1
cis-1,2-Dichloroethene	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 00:33	1
cis-1,3-Dichloropropene	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 00:33	1
Dibromochloromethane	<5.6		5.6	0.65	ug/Kg	☼		08/26/15 00:33	1
1,1-Dichloroethane	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 00:33	1
1,2-Dichloroethane	<5.6		5.6	0.84	ug/Kg	☼		08/26/15 00:33	1
1,1-Dichloroethene	<5.6		5.6	2.1	ug/Kg	☼		08/26/15 00:33	1
1,2-Dichloropropane	<5.6		5.6	1.5	ug/Kg	☼		08/26/15 00:33	1
1,3-Dichloropropene, Total	<5.6		5.6	1.6	ug/Kg	☼		08/26/15 00:33	1
Ethylbenzene	<5.6		5.6	1.4	ug/Kg	☼		08/26/15 00:33	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼		08/26/15 00:33	1
Methylene Chloride	<5.6		5.6	4.3	ug/Kg	☼		08/26/15 00:33	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		08/26/15 00:33	1
methyl isobutyl ketone	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 00:33	1
Methyl tert-butyl ether	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 00:33	1
Styrene	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 00:33	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	0.90	ug/Kg	☼		08/26/15 00:33	1
Tetrachloroethene	<5.6		5.6	1.2	ug/Kg	☼		08/26/15 00:33	1
Toluene	<5.6		5.6	2.0	ug/Kg	☼		08/26/15 00:33	1
trans-1,2-Dichloroethene	<5.6		5.6	1.4	ug/Kg	☼		08/26/15 00:33	1
trans-1,3-Dichloropropene	<5.6		5.6	1.6	ug/Kg	☼		08/26/15 00:33	1
1,1,1-Trichloroethane	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 00:33	1
1,1,2-Trichloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/26/15 00:33	1
Trichloroethene	<5.6		5.6	1.5	ug/Kg	☼		08/26/15 00:33	1
Vinyl chloride	<5.6		5.6	1.3	ug/Kg	☼		08/26/15 00:33	1
Xylenes, Total	<11		11	2.1	ug/Kg	☼		08/26/15 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 122*		*08/26/15 00:33*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*08/26/15 00:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*08/26/15 00:33*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*		*08/26/15 00:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<910		910	200	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
1,2-Dichlorobenzene	<910		910	220	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
1,3-Dichlorobenzene	<910		910	200	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
1,4-Dichlorobenzene	<910		910	230	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2,2'-oxybis[1-chloropropane]	<910		910	210	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5

Client Sample ID: WC-6(0-6)-081915
Date Collected: 08/19/15 09:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-4
Matrix: Solid
Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	410	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2,4,6-Trichlorophenol	<1800		1800	620	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2,4-Dichlorophenol	<1800		1800	430	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2,4-Dimethylphenol	<1800		1800	690	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2,4-Dinitrophenol	<3700	*	3700	3200	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2,4-Dinitrotoluene	<910		910	290	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2,6-Dinitrotoluene	<910		910	360	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2-Chloronaphthalene	<910		910	200	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2-Chlorophenol	<910		910	310	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2-Methylnaphthalene	<180		180	33	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2-Methylphenol	<910		910	290	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2-Nitroaniline	<910		910	240	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
2-Nitrophenol	<1800		1800	430	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
3 & 4 Methylphenol	<910		910	300	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
3,3'-Dichlorobenzidine	<910		910	250	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
3-Nitroaniline	<1800		1800	560	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
4,6-Dinitro-2-methylphenol	<1800	*	1800	1500	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
4-Bromophenyl phenyl ether	<910		910	240	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
4-Chloro-3-methylphenol	<1800		1800	620	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
4-Chloroaniline	<3700		3700	850	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
4-Chlorophenyl phenyl ether	<910		910	210	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
4-Nitroaniline	<1800		1800	760	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
4-Nitrophenol	<3700		3700	1700	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Acenaphthene	<180		180	33	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Acenaphthylene	**80**	**J**	180	24	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Anthracene	**66**	**J**	180	30	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Benzo[a]anthracene	**410**		180	24	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Benzo[a]pyrene	**530**		180	35	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Benzo[b]fluoranthene	**830**		180	39	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Benzo[g,h,i]perylene	**230**		180	58	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Benzo[k]fluoranthene	**510**		180	53	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Bis(2-chloroethoxy)methane	<910		910	190	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Bis(2-chloroethyl)ether	<910		910	270	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Bis(2-ethylhexyl) phthalate	<910		910	330	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Butyl benzyl phthalate	<910		910	350	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Carbazole	<910		910	450	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Chrysene	**470**		180	49	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Dibenz(a,h)anthracene	<180		180	35	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Dibenzofuran	<910		910	210	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Diethyl phthalate	<910		910	310	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Dimethyl phthalate	<910		910	240	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Di-n-butyl phthalate	<910		910	280	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Di-n-octyl phthalate	<910		910	300	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Fluoranthene	**670**		180	34	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Fluorene	<180		180	26	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Hexachlorobenzene	<370		370	42	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Hexachlorobutadiene	<910		910	290	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Hexachlorocyclopentadiene	<3700		3700	1000	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Hexachloroethane	<910		910	280	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5

Client Sample ID: WC-6(0-6)-081915
Date Collected: 08/19/15 09:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-4
Matrix: Solid
Percent Solids: 88.7

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	<180		180	47	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Isophorone	<910		910	200	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Naphthalene	<180		180	28	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Nitrobenzene	<180		180	45	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
N-Nitrosodi-n-propylamine	<910		910	220	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
N-Nitrosodiphenylamine	<910		910	210	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Pentachlorophenol	<3700		3700	2900	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Phenanthrene	**250**		180	25	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Phenol	<910		910	400	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5
Pyrene	**1000**		180	36	ug/Kg	☼	08/25/15 17:33	08/29/15 20:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*35 - 137*	*08/25/15 17:33*	*08/29/15 20:39*	*5*
2-Fluorobiphenyl	*110*		*25 - 119*	*08/25/15 17:33*	*08/29/15 20:39*	*5*
2-Fluorophenol	*93*		*25 - 110*	*08/25/15 17:33*	*08/29/15 20:39*	*5*
Nitrobenzene-d5	*91*		*25 - 115*	*08/25/15 17:33*	*08/29/15 20:39*	*5*
Phenol-d5	*149*	*X*	*31 - 110*	*08/25/15 17:33*	*08/29/15 20:39*	*5*
Terphenyl-d14	*190*	*X*	*36 - 134*	*08/25/15 17:33*	*08/29/15 20:39*	*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		08/25/15 10:00	08/25/15 19:08	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 19:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 19:08	1
Cadmium	**0.0032**	**J**	0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 19:08	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:11	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:08	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:08	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 13:11	1
Lead	**0.016**		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 19:08	1
Manganese	**0.41**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:11	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:08	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 19:08	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:08	1
Zinc	**0.47**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 13:11	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		08/25/15 11:00	08/25/15 21:08	1
Barium	**0.18**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 21:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 21:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 21:08	1
Chromium	**0.022**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:08	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:08	1
Copper	**0.026**		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:08	1
Iron	**12**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 21:08	1
Lead	**0.11**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 21:08	1
Manganese	**0.14**		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:08	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:08	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 21:08	1

Client Sample ID: WC-6(0-6)-081915
Date Collected: 08/19/15 09:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-4
Matrix: Solid
Percent Solids: 88.7

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		08/25/15 11:00	08/25/15 21:08	1
Zinc	**0.34**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 21:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Arsenic	**4.3**		0.55	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Barium	**31**		0.55	0.10	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Beryllium	**0.35**		0.22	0.048	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Cadmium	**0.39**		0.11	0.032	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Calcium	**13000**		11	3.6	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Chromium	**9.8**		0.55	0.095	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Cobalt	**3.3**		0.28	0.063	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Copper	**14**		0.55	0.12	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Iron	**7400**		11	4.3	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Lead	**79**		0.28	0.14	mg/Kg	☼	08/21/15 11:00	08/23/15 19:54	1
Magnesium	**7100**		5.5	2.2	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Manganese	**210**		0.55	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Nickel	**7.8**		0.55	0.15	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Potassium	**680**		28	4.5	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Sodium	**200**		55	7.3	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Vanadium	**12**		0.28	0.081	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1
Zinc	**95**		1.1	0.35	mg/Kg	☼	08/21/15 11:00	08/21/15 20:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/25/15 18:00	08/26/15 13:47	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		08/25/15 18:00	08/26/15 15:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**47**		19	6.5	ug/Kg	☼	08/25/15 16:30	08/26/15 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.80**		0.200	0.200	SU			08/24/15 15:05	1

Client Sample ID: WC-6(6-8)-081915
Date Collected: 08/19/15 09:13
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-5
Matrix: Solid
Percent Solids: 82.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		08/26/15 00:57	1
Benzene	<6.1		6.1	1.3	ug/Kg	☼		08/26/15 00:57	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		08/26/15 00:57	1
Bromoform	<6.1		6.1	1.2	ug/Kg	☼		08/26/15 00:57	1
Bromomethane	<6.1		6.1	2.2	ug/Kg	☼		08/26/15 00:57	1
Carbon disulfide	<6.1		6.1	2.2	ug/Kg	☼		08/26/15 00:57	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		08/26/15 00:57	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		08/26/15 00:57	1
Chloroethane	<6.1		6.1	2.5	ug/Kg	☼		08/26/15 00:57	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		08/26/15 00:57	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		08/26/15 00:57	1
cis-1,2-Dichloroethene	<6.1		6.1	1.2	ug/Kg	☼		08/26/15 00:57	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		08/26/15 00:57	1
Dibromochloromethane	<6.1		6.1	0.70	ug/Kg	☼		08/26/15 00:57	1
1,1-Dichloroethane	<6.1		6.1	1.2	ug/Kg	☼		08/26/15 00:57	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		08/26/15 00:57	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		08/26/15 00:57	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		08/26/15 00:57	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		08/26/15 00:57	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		08/26/15 00:57	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		08/26/15 00:57	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		08/26/15 00:57	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		08/26/15 00:57	1
methyl isobutyl ketone	<6.1		6.1	1.2	ug/Kg	☼		08/26/15 00:57	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		08/26/15 00:57	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		08/26/15 00:57	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.96	ug/Kg	☼		08/26/15 00:57	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		08/26/15 00:57	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		08/26/15 00:57	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		08/26/15 00:57	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		08/26/15 00:57	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		08/26/15 00:57	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		08/26/15 00:57	1
Trichloroethene	<6.1		6.1	1.6	ug/Kg	☼		08/26/15 00:57	1
Vinyl chloride	<6.1		6.1	1.4	ug/Kg	☼		08/26/15 00:57	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		08/26/15 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 122*		*08/26/15 00:57*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/26/15 00:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*		*08/26/15 00:57*	*1*
Toluene-d8 (Surr)	*92*		*75 - 122*		*08/26/15 00:57*	*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	☼	08/25/15 17:33	08/28/15 13:31	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1

Client Sample ID: WC-6(6-8)-081915
Date Collected: 08/19/15 09:13
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-5
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	☼	08/25/15 17:33	08/28/15 13:31	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2,4-Dinitrophenol	<790	*	790	690	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2-Methylphenol	<200		200	63	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
4,6-Dinitro-2-methylphenol	<390	*	390	310	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Anthracene	<39		39	6.5	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Carbazole	<200		200	98	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Chrysene	<39		39	11	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Fluorene	<39		39	5.5	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Hexachloroethane	<200		200	59	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1

Client Sample ID: WC-6(6-8)-081915
Date Collected: 08/19/15 09:13
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-5
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	☼	08/25/15 17:33	08/28/15 13:31	1
Isophorone	<200		200	44	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Naphthalene	<39		39	6.0	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Phenanthrene	<39		39	5.4	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Phenol	<200		200	87	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1
Pyrene	<39		39	7.8	ug/Kg	☼	08/25/15 17:33	08/28/15 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*35 - 137*	*08/25/15 17:33*	*08/28/15 13:31*	*1*
2-Fluorobiphenyl	*79*		*25 - 119*	*08/25/15 17:33*	*08/28/15 13:31*	*1*
2-Fluorophenol	*81*		*25 - 110*	*08/25/15 17:33*	*08/28/15 13:31*	*1*
Nitrobenzene-d5	*73*		*25 - 115*	*08/25/15 17:33*	*08/28/15 13:31*	*1*
Phenol-d5	*77*		*31 - 110*	*08/25/15 17:33*	*08/28/15 13:31*	*1*
Terphenyl-d14	*140*	*X*	*36 - 134*	*08/25/15 17:33*	*08/28/15 13:31*	*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		08/25/15 10:00	08/25/15 19:14	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 19:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 19:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 19:14	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:15	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:14	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:14	1
Iron	**1.4**		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 13:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 19:14	1
Manganese	**0.019**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:15	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:14	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 19:14	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:14	1
Zinc	**0.17**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 13:15	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		08/25/15 11:00	08/25/15 21:14	1
Barium	**0.081**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 21:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 21:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 21:14	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:14	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:14	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:14	1
Iron	**2.4**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 21:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 21:14	1
Manganese	**0.015**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:14	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:14	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 21:14	1

Client Sample ID: WC-6(6-8)-081915
Date Collected: 08/19/15 09:13
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-5
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		08/25/15 11:00	08/25/15 21:14	1
Zinc	**0.073**	**J**	0.10	0.020	mg/L		08/25/15 11:00	08/25/15 21:14	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Arsenic	**1.3**		0.60	0.28	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Barium	**6.3**		0.60	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Beryllium	**0.11**	**J**	0.24	0.052	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Cadmium	<0.12		0.12	0.035	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Calcium	**260**		12	3.9	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Chromium	**2.8**		0.60	0.10	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Cobalt	**1.7**		0.30	0.068	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Copper	**2.0**		0.60	0.13	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Iron	**2800**		12	4.6	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Lead	**2.0**		0.30	0.15	mg/Kg	☼	08/21/15 11:00	08/23/15 19:58	1
Magnesium	**510**		6.0	2.4	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Manganese	**22**		0.60	0.12	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Nickel	**3.7**		0.60	0.16	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Potassium	**240**		30	4.9	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Sodium	**230**		60	7.9	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Vanadium	**5.8**		0.30	0.087	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	1
Zinc	**11**		1.2	0.38	mg/Kg	☼	08/21/15 11:00	08/21/15 20:55	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		08/25/15 18:00	08/26/15 13:49	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		08/25/15 18:00	08/26/15 15:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<19		19	6.6	ug/Kg	☼	08/25/15 16:30	08/26/15 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.97**		0.200	0.200	SU			08/24/15 15:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100116-1

Client Sample ID: WC-7(0-6)-081915
Date Collected: 08/19/15 09:55
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-8
Matrix: Solid
Percent Solids: 94.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<21		21	4.1	ug/Kg	☼		08/26/15 01:21	1
Benzene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 01:21	1
Bromodichloromethane	<5.3		5.3	0.90	ug/Kg	☼		08/26/15 01:21	1
Bromoform	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:21	1
Bromomethane	<5.3		5.3	2.0	ug/Kg	☼		08/26/15 01:21	1
Carbon disulfide	<5.3		5.3	2.0	ug/Kg	☼		08/26/15 01:21	1
Carbon tetrachloride	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:21	1
Chlorobenzene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:21	1
Chloroethane	<5.3		5.3	2.2	ug/Kg	☼		08/26/15 01:21	1
Chloroform	<5.3		5.3	1.0	ug/Kg	☼		08/26/15 01:21	1
Chloromethane	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:21	1
cis-1,2-Dichloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:21	1
cis-1,3-Dichloropropene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 01:21	1
Dibromochloromethane	<5.3		5.3	0.61	ug/Kg	☼		08/26/15 01:21	1
1,1-Dichloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:21	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/26/15 01:21	1
1,1-Dichloroethene	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 01:21	1
1,2-Dichloropropane	<5.3		5.3	1.4	ug/Kg	☼		08/26/15 01:21	1
1,3-Dichloropropene, Total	<5.3		5.3	1.5	ug/Kg	☼		08/26/15 01:21	1
Ethylbenzene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:21	1
2-Hexanone	<5.3		5.3	1.6	ug/Kg	☼		08/26/15 01:21	1
Methylene Chloride	<5.3		5.3	4.0	ug/Kg	☼		08/26/15 01:21	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 01:21	1
methyl isobutyl ketone	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:21	1
Methyl tert-butyl ether	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:21	1
Styrene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 01:21	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/26/15 01:21	1
Tetrachloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:21	1
Toluene	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 01:21	1
trans-1,2-Dichloroethene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:21	1
trans-1,3-Dichloropropene	<5.3		5.3	1.5	ug/Kg	☼		08/26/15 01:21	1
1,1,1-Trichloroethane	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 01:21	1
1,1,2-Trichloroethane	<5.3		5.3	1.0	ug/Kg	☼		08/26/15 01:21	1
Trichloroethene	<5.3		5.3	1.4	ug/Kg	☼		08/26/15 01:21	1
Vinyl chloride	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:21	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 122*		*08/26/15 01:21*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/26/15 01:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*08/26/15 01:21*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*		*08/26/15 01:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<860		860	180	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
1,2-Dichlorobenzene	<860		860	200	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
1,3-Dichlorobenzene	<860		860	190	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
1,4-Dichlorobenzene	<860		860	220	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2,2'-oxybis[1-chloropropane]	<860		860	200	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5

Client Sample ID: WC-7(0-6)-081915
Date Collected: 08/19/15 09:55
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-8
Matrix: Solid
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1700		1700	390	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2,4,6-Trichlorophenol	<1700		1700	590	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2,4-Dichlorophenol	<1700		1700	410	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2,4-Dimethylphenol	<1700		1700	650	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2,4-Dinitrophenol	<3500	*	3500	3000	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2,4-Dinitrotoluene	<860		860	270	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2,6-Dinitrotoluene	<860		860	340	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2-Chloronaphthalene	<860		860	190	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2-Chlorophenol	<860		860	290	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2-Methylnaphthalene	<170		170	32	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2-Methylphenol	<860		860	270	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2-Nitroaniline	<860		860	230	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
2-Nitrophenol	<1700		1700	400	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
3 & 4 Methylphenol	<860		860	290	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
3,3'-Dichlorobenzidine	<860		860	240	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
3-Nitroaniline	<1700		1700	530	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
4,6-Dinitro-2-methylphenol	<1700	*	1700	1400	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
4-Bromophenyl phenyl ether	<860		860	230	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
4-Chloro-3-methylphenol	<1700		1700	580	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
4-Chloroaniline	<3500		3500	800	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
4-Chlorophenyl phenyl ether	<860		860	200	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
4-Nitroaniline	<1700		1700	720	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
4-Nitrophenol	<3500		3500	1600	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Acenaphthene	<170		170	31	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Acenaphthylene	<170		170	23	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Anthracene	**72**	**J**	170	29	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Benzo[a]anthracene	**570**		170	23	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Benzo[a]pyrene	**520**		170	33	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Benzo[b]fluoranthene	**880**		170	37	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Benzo[g,h,i]perylene	**180**		170	55	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Benzo[k]fluoranthene	**430**		170	50	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Bis(2-chloroethoxy)methane	<860		860	170	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Bis(2-chloroethyl)ether	<860		860	260	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Bis(2-ethylhexyl) phthalate	<860		860	310	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Butyl benzyl phthalate	<860		860	330	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Carbazole	<860		860	430	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Chrysene	**630**		170	47	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Dibenz(a,h)anthracene	<170		170	33	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Dibenzofuran	<860		860	200	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Diethyl phthalate	<860		860	290	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Dimethyl phthalate	<860		860	220	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Di-n-butyl phthalate	<860		860	260	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Di-n-octyl phthalate	<860		860	280	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Fluoranthene	**990**		170	32	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Fluorene	<170		170	24	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Hexachlorobenzene	<350		350	40	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Hexachlorobutadiene	<860		860	270	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Hexachlorocyclopentadiene	<3500		3500	980	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Hexachloroethane	<860		860	260	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5

Client Sample ID: WC-7(0-6)-081915
Date Collected: 08/19/15 09:55
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-8
Matrix: Solid
Percent Solids: 94.0

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	**210**		170	44	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Isophorone	<860		860	190	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Naphthalene	<170		170	26	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Nitrobenzene	<170		170	43	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
N-Nitrosodi-n-propylamine	<860		860	210	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
N-Nitrosodiphenylamine	<860		860	200	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Pentachlorophenol	<3500		3500	2700	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Phenanthrene	**430**		170	24	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Phenol	<860		860	380	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5
Pyrene	**1400**		170	34	ug/Kg	☼	08/25/15 17:33	08/28/15 15:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*50*		*35 - 137*	*08/25/15 17:33*	*08/28/15 15:12*	*5*
2-Fluorobiphenyl	*92*		*25 - 119*	*08/25/15 17:33*	*08/28/15 15:12*	*5*
2-Fluorophenol	*82*		*25 - 110*	*08/25/15 17:33*	*08/28/15 15:12*	*5*
Nitrobenzene-d5	*78*		*25 - 115*	*08/25/15 17:33*	*08/28/15 15:12*	*5*
Phenol-d5	*74*		*31 - 110*	*08/25/15 17:33*	*08/28/15 15:12*	*5*
Terphenyl-d14	*164*	*X*	*36 - 134*	*08/25/15 17:33*	*08/28/15 15:12*	*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		08/25/15 10:00	08/25/15 19:19	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 19:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 19:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 19:19	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:20	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:19	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:19	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 13:20	1
Lead	**0.041**		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 19:19	1
Manganese	**0.46**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:20	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:19	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 19:19	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:19	1
Zinc	**0.17**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 13:20	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		08/25/15 11:00	08/25/15 21:21	1
Barium	**0.095**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 21:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 21:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 21:21	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:21	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:21	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:21	1
Iron	**0.36**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 21:21	1
Lead	**0.028**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 21:21	1
Manganese	**0.014**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:21	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:21	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 21:21	1

Client Sample ID: WC-7(0-6)-081915
Date Collected: 08/19/15 09:55
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-8
Matrix: Solid
Percent Solids: 94.0

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		08/25/15 11:00	08/25/15 21:21	1
Zinc	**0.15**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 21:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.99		0.99	0.21	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Arsenic	**2.3**		0.49	0.23	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Barium	**12**		0.49	0.091	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Beryllium	**0.15**	**J**	0.20	0.043	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Cadmium	**0.14**		0.099	0.029	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Calcium	**9900**		9.9	3.2	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Chromium	**7.3**		0.49	0.085	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Cobalt	**1.4**		0.25	0.056	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Copper	**6.8**		0.49	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Iron	**4300**		9.9	3.8	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Lead	**30**		0.25	0.12	mg/Kg	☼	08/21/15 11:00	08/23/15 20:02	1
Magnesium	**6100**		4.9	2.0	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Manganese	**120**		0.49	0.098	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Nickel	**3.3**		0.49	0.13	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Potassium	**250**		25	4.0	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Selenium	<0.49		0.49	0.24	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Silver	<0.25		0.25	0.058	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Sodium	**510**		49	6.5	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Thallium	<0.49		0.49	0.24	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Vanadium	**7.9**		0.25	0.072	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	1
Zinc	**25**		0.99	0.31	mg/Kg	☼	08/21/15 11:00	08/21/15 21:02	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		08/25/15 18:00	08/26/15 13:51	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		08/25/15 18:00	08/26/15 15:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**18**		16	5.7	ug/Kg	☼	08/25/15 16:30	08/26/15 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.68**		0.200	0.200	SU			08/24/15 15:15	1

Client Sample ID: WC-7(0-6)-081915D
Date Collected: 08/19/15 09:55
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-9
Matrix: Solid
Percent Solids: 94.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<21		21	4.1	ug/Kg	☼		08/26/15 01:45	1
Benzene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 01:45	1
Bromodichloromethane	<5.3		5.3	0.90	ug/Kg	☼		08/26/15 01:45	1
Bromoform	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:45	1
Bromomethane	<5.3		5.3	2.0	ug/Kg	☼		08/26/15 01:45	1
Carbon disulfide	<5.3		5.3	2.0	ug/Kg	☼		08/26/15 01:45	1
Carbon tetrachloride	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:45	1
Chlorobenzene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:45	1
Chloroethane	<5.3		5.3	2.2	ug/Kg	☼		08/26/15 01:45	1
Chloroform	<5.3		5.3	1.0	ug/Kg	☼		08/26/15 01:45	1
Chloromethane	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:45	1
cis-1,2-Dichloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:45	1
cis-1,3-Dichloropropene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 01:45	1
Dibromochloromethane	<5.3		5.3	0.61	ug/Kg	☼		08/26/15 01:45	1
1,1-Dichloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:45	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/26/15 01:45	1
1,1-Dichloroethene	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 01:45	1
1,2-Dichloropropane	<5.3		5.3	1.4	ug/Kg	☼		08/26/15 01:45	1
1,3-Dichloropropene, Total	<5.3		5.3	1.5	ug/Kg	☼		08/26/15 01:45	1
Ethylbenzene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:45	1
2-Hexanone	<5.3		5.3	1.6	ug/Kg	☼		08/26/15 01:45	1
Methylene Chloride	<5.3		5.3	4.0	ug/Kg	☼		08/26/15 01:45	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 01:45	1
methyl isobutyl ketone	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:45	1
Methyl tert-butyl ether	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:45	1
Styrene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 01:45	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	0.85	ug/Kg	☼		08/26/15 01:45	1
Tetrachloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 01:45	1
Toluene	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 01:45	1
trans-1,2-Dichloroethene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:45	1
trans-1,3-Dichloropropene	<5.3		5.3	1.5	ug/Kg	☼		08/26/15 01:45	1
1,1,1-Trichloroethane	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 01:45	1
1,1,2-Trichloroethane	<5.3		5.3	1.0	ug/Kg	☼		08/26/15 01:45	1
Trichloroethene	<5.3		5.3	1.4	ug/Kg	☼		08/26/15 01:45	1
Vinyl chloride	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 01:45	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*08/26/15 01:45*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*08/26/15 01:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*		*08/26/15 01:45*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/26/15 01:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<850		850	180	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
1,2-Dichlorobenzene	<850		850	200	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
1,3-Dichlorobenzene	<850		850	190	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
1,4-Dichlorobenzene	<850		850	220	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2,2'-oxybis[1-chloropropane]	<850		850	200	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5

Client Sample ID: WC-7(0-6)-081915D
Date Collected: 08/19/15 09:55
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-9
Matrix: Solid
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1700		1700	390	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2,4,6-Trichlorophenol	<1700		1700	580	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2,4-Dichlorophenol	<1700		1700	400	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2,4-Dimethylphenol	<1700		1700	640	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2,4-Dinitrophenol	<3400	*	3400	3000	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2,4-Dinitrotoluene	<850		850	270	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2,6-Dinitrotoluene	<850		850	330	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2-Chloronaphthalene	<850		850	190	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2-Chlorophenol	<850		850	290	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2-Methylnaphthalene	<170		170	31	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2-Methylphenol	<850		850	270	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2-Nitroaniline	<850		850	230	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
2-Nitrophenol	<1700		1700	400	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
3 & 4 Methylphenol	<850		850	280	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
3,3'-Dichlorobenzidine	<850		850	240	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
3-Nitroaniline	<1700		1700	530	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
4,6-Dinitro-2-methylphenol	<1700	*	1700	1400	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
4-Bromophenyl phenyl ether	<850		850	220	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
4-Chloro-3-methylphenol	<1700		1700	580	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
4-Chloroaniline	<3400		3400	800	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
4-Chlorophenyl phenyl ether	<850		850	200	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
4-Nitroaniline	<1700		1700	710	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
4-Nitrophenol	<3400		3400	1600	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Acenaphthene	<170		170	30	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Acenaphthylene	<170		170	22	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Anthracene	**33**	**J**	170	28	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Benzo[a]anthracene	**300**		170	23	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Benzo[a]pyrene	**290**		170	33	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Benzo[b]fluoranthene	**510**		170	37	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Benzo[g,h,i]perylene	**110**	**J**	170	55	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Benzo[k]fluoranthene	**230**		170	50	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Bis(2-chloroethoxy)methane	<850		850	170	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Bis(2-chloroethyl)ether	<850		850	250	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Bis(2-ethylhexyl) phthalate	<850		850	310	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Butyl benzyl phthalate	<850		850	320	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Carbazole	<850		850	420	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Chrysene	**340**		170	46	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Dibenz(a,h)anthracene	<170		170	33	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Dibenzofuran	<850		850	200	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Diethyl phthalate	<850		850	290	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Dimethyl phthalate	<850		850	220	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Di-n-butyl phthalate	<850		850	260	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Di-n-octyl phthalate	<850		850	280	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Fluoranthene	**470**		170	31	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Fluorene	<170		170	24	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Hexachlorobenzene	<340		340	39	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Hexachlorobutadiene	<850		850	270	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Hexachlorocyclopentadiene	<3400		3400	970	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Hexachloroethane	<850		850	260	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5

Client Sample ID: WC-7(0-6)-081915D
Date Collected: 08/19/15 09:55
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-9
Matrix: Solid
Percent Solids: 94.0

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	**120**	**J**	170	44	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Isophorone	<850		850	190	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Naphthalene	<170		170	26	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Nitrobenzene	<170		170	42	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
N-Nitrosodi-n-propylamine	<850		850	210	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
N-Nitrosodiphenylamine	<850		850	200	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Pentachlorophenol	<3400		3400	2700	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Phenanthrene	**130**	**J**	170	24	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Phenol	<850		850	380	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5
Pyrene	**700**		170	34	ug/Kg	☼	08/25/15 17:33	08/28/15 15:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*53*		*35 - 137*	*08/25/15 17:33*	*08/28/15 15:37*	*5*
2-Fluorobiphenyl	*96*		*25 - 119*	*08/25/15 17:33*	*08/28/15 15:37*	*5*
2-Fluorophenol	*83*		*25 - 110*	*08/25/15 17:33*	*08/28/15 15:37*	*5*
Nitrobenzene-d5	*81*		*25 - 115*	*08/25/15 17:33*	*08/28/15 15:37*	*5*
Phenol-d5	*74*		*31 - 110*	*08/25/15 17:33*	*08/28/15 15:37*	*5*
Terphenyl-d14	*167*	*X*	*36 - 134*	*08/25/15 17:33*	*08/28/15 15:37*	*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		08/25/15 10:00	08/25/15 19:24	1
Barium	**0.26**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 19:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 19:24	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 19:24	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:25	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:24	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:24	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 13:25	1
Lead	**0.042**		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 19:24	1
Manganese	**0.50**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:25	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:24	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 19:24	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:24	1
Zinc	**0.26**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/25/15 11:00	08/25/15 21:28	1
Barium	**0.079**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 21:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 21:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 21:28	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:28	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:28	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:28	1
Iron	**0.73**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 21:28	1
Lead	**0.022**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 21:28	1
Manganese	**0.020**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:28	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:28	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 21:28	1

Client Sample ID: WC-7(0-6)-081915D
Date Collected: 08/19/15 09:55
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-9
Matrix: Solid
Percent Solids: 94.0

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		08/25/15 11:00	08/25/15 21:28	1
Zinc	**0.092**	**J**	0.10	0.020	mg/L		08/25/15 11:00	08/25/15 21:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.22	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Arsenic	**2.4**		0.52	0.24	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Barium	**14**		0.52	0.095	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Beryllium	**0.16**	**J**	0.21	0.045	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Cadmium	**0.17**		0.10	0.030	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Calcium	**13000**		10	3.3	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Chromium	**4.9**		0.52	0.089	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Cobalt	**1.4**		0.26	0.059	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Copper	**9.9**		0.52	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Iron	**4100**		10	4.0	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Lead	**46**		0.26	0.13	mg/Kg	☼	08/21/15 11:00	08/23/15 20:05	1
Magnesium	**7400**		5.2	2.1	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Manganese	**77**		0.52	0.10	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Nickel	**3.6**		0.52	0.14	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Potassium	**260**		26	4.2	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Selenium	<0.52		0.52	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Silver	<0.26		0.26	0.061	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Sodium	**600**		52	6.8	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Vanadium	**7.2**		0.26	0.076	mg/Kg	☼	08/21/15 11:00	08/21/15 21:08	1
Zinc	**33**		1.0	0.33	mg/Kg	☼	08/21/15 11:00	08/21/15 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		08/25/15 18:00	08/26/15 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/25/15 18:00	08/26/15 15:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**	**J**	17	5.9	ug/Kg	☼	08/25/15 16:30	08/26/15 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.54**		0.200	0.200	SU			08/24/15 15:19	1

Client Sample ID: WC-8(0-6)-081915
Date Collected: 08/19/15 10:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-10
Matrix: Solid
Percent Solids: 94.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**42**		21	4.1	ug/Kg	☼		08/26/15 02:09	1
Benzene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 02:09	1
Bromodichloromethane	<5.3		5.3	0.89	ug/Kg	☼		08/26/15 02:09	1
Bromoform	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:09	1
Bromomethane	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 02:09	1
Carbon disulfide	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 02:09	1
Carbon tetrachloride	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:09	1
Chlorobenzene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 02:09	1
Chloroethane	<5.3		5.3	2.2	ug/Kg	☼		08/26/15 02:09	1
Chloroform	<5.3		5.3	1.0	ug/Kg	☼		08/26/15 02:09	1
Chloromethane	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 02:09	1
cis-1,2-Dichloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:09	1
cis-1,3-Dichloropropene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 02:09	1
Dibromochloromethane	<5.3		5.3	0.61	ug/Kg	☼		08/26/15 02:09	1
1,1-Dichloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:09	1
1,2-Dichloroethane	<5.3		5.3	0.78	ug/Kg	☼		08/26/15 02:09	1
1,1-Dichloroethene	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 02:09	1
1,2-Dichloropropane	<5.3		5.3	1.4	ug/Kg	☼		08/26/15 02:09	1
1,3-Dichloropropene, Total	<5.3		5.3	1.5	ug/Kg	☼		08/26/15 02:09	1
Ethylbenzene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 02:09	1
2-Hexanone	<5.3		5.3	1.6	ug/Kg	☼		08/26/15 02:09	1
Methylene Chloride	<5.3		5.3	4.0	ug/Kg	☼		08/26/15 02:09	1
Methyl Ethyl Ketone	**3.3**	**J**	5.3	1.9	ug/Kg	☼		08/26/15 02:09	1
methyl isobutyl ketone	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:09	1
Methyl tert-butyl ether	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 02:09	1
Styrene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 02:09	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/26/15 02:09	1
Tetrachloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:09	1
Toluene	<5.3		5.3	1.8	ug/Kg	☼		08/26/15 02:09	1
trans-1,2-Dichloroethene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 02:09	1
trans-1,3-Dichloropropene	<5.3		5.3	1.5	ug/Kg	☼		08/26/15 02:09	1
1,1,1-Trichloroethane	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 02:09	1
1,1,2-Trichloroethane	<5.3		5.3	1.0	ug/Kg	☼		08/26/15 02:09	1
Trichloroethene	<5.3		5.3	1.4	ug/Kg	☼		08/26/15 02:09	1
Vinyl chloride	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 02:09	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 122*		*08/26/15 02:09*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*08/26/15 02:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*08/26/15 02:09*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/26/15 02:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	36	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
1,2-Dichlorobenzene	<170		170	40	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
1,3-Dichlorobenzene	<170		170	38	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
1,4-Dichlorobenzene	<170		170	43	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1

Client Sample ID: WC-8(0-6)-081915
Date Collected: 08/19/15 10:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-10
Matrix: Solid
Percent Solids: 94.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<330		330	76	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2,4,6-Trichlorophenol	<330		330	110	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2,4-Dichlorophenol	<330		330	79	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2,4-Dimethylphenol	<330		330	130	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2,4-Dinitrophenol	<670	*	670	590	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2,4-Dinitrotoluene	<170		170	53	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2,6-Dinitrotoluene	<170		170	66	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2-Chloronaphthalene	<170		170	37	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2-Chlorophenol	<170		170	57	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2-Methylnaphthalene	<33		33	6.1	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2-Methylphenol	<170		170	53	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2-Nitroaniline	<170		170	45	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
2-Nitrophenol	<330		330	79	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
3 & 4 Methylphenol	<170		170	56	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
3,3'-Dichlorobenzidine	<170		170	47	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
3-Nitroaniline	<330		330	100	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
4,6-Dinitro-2-methylphenol	<330	*	330	270	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
4-Bromophenyl phenyl ether	<170		170	44	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
4-Chloro-3-methylphenol	<330		330	110	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
4-Chloroaniline	<670		670	160	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
4-Chlorophenyl phenyl ether	<170		170	39	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
4-Nitroaniline	<330		330	140	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
4-Nitrophenol	<670		670	320	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Acenaphthene	<33		33	6.0	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Acenaphthylene	<33		33	4.4	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Anthracene	<33		33	5.6	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Benzo[a]anthracene	**7.6**	**J**	33	4.5	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Benzo[a]pyrene	<33		33	6.5	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Benzo[b]fluoranthene	<33		33	7.2	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Benzo[g,h,i]perylene	<33		33	11	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Benzo[k]fluoranthene	<33		33	9.8	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Bis(2-chloroethoxy)methane	<170		170	34	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Bis(2-chloroethyl)ether	<170		170	50	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Bis(2-ethylhexyl) phthalate	<170		170	61	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Butyl benzyl phthalate	<170		170	63	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Carbazole	<170		170	83	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Chrysene	**9.4**	**J**	33	9.1	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Dibenz(a,h)anthracene	<33		33	6.4	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Dibenzofuran	<170		170	39	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Diethyl phthalate	<170		170	57	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Dimethyl phthalate	<170		170	44	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Di-n-butyl phthalate	<170		170	51	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Di-n-octyl phthalate	<170		170	54	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Fluoranthene	**13**	**J**	33	6.2	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Fluorene	<33		33	4.7	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Hexachlorobenzene	<67		67	7.7	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Hexachlorobutadiene	<170		170	52	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Hexachlorocyclopentadiene	<670		670	190	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Hexachloroethane	<170		170	51	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1

Client Sample ID: WC-8(0-6)-081915
Date Collected: 08/19/15 10:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-10
Matrix: Solid
Percent Solids: 94.6

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	<33		33	8.6	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Isophorone	<170		170	37	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Naphthalene	<33		33	5.1	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Nitrobenzene	<33		33	8.3	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
N-Nitrosodi-n-propylamine	<170		170	41	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
N-Nitrosodiphenylamine	<170		170	39	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Pentachlorophenol	<670		670	530	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Phenanthrene	**63**		33	4.6	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Phenol	<170		170	74	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1
Pyrene	**20**	**J**	33	6.6	ug/Kg	☼	08/25/15 17:33	08/28/15 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*08/25/15 17:33*	*08/28/15 13:56*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*08/25/15 17:33*	*08/28/15 13:56*	*1*
2-Fluorophenol	*60*		*25 - 110*	*08/25/15 17:33*	*08/28/15 13:56*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*08/25/15 17:33*	*08/28/15 13:56*	*1*
Phenol-d5	*57*		*31 - 110*	*08/25/15 17:33*	*08/28/15 13:56*	*1*
Terphenyl-d14	*127*		*36 - 134*	*08/25/15 17:33*	*08/28/15 13:56*	*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		08/25/15 10:00	08/25/15 19:29	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 19:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 19:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 19:29	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:29	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:29	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:29	1
Iron	**0.76**		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 13:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 19:29	1
Manganese	**0.25**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:29	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:29	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 19:29	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:29	1
Zinc	**0.56**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 13:29	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		08/25/15 11:00	08/25/15 21:35	1
Barium	**0.091**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 21:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 21:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 21:35	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:35	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:35	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:35	1
Iron	**0.28**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 21:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 21:35	1
Manganese	**0.051**		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:35	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:35	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 21:35	1

Client Sample ID: WC-8(0-6)-081915
Date Collected: 08/19/15 10:10
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-10
Matrix: Solid
Percent Solids: 94.6

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		08/25/15 11:00	08/25/15 21:35	1
Zinc	**0.24**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 21:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Arsenic	**2.8**		0.50	0.23	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Barium	**9.0**		0.50	0.092	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Beryllium	**0.13**	**J**	0.20	0.044	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Cadmium	**0.056**	**J**	0.10	0.029	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Calcium	**620**		10	3.2	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Chromium	**3.4**		0.50	0.086	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Cobalt	**1.6**		0.25	0.057	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Copper	**4.4**		0.50	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Iron	**3600**		10	3.9	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Lead	**4.8**		0.25	0.13	mg/Kg	☼	08/21/15 11:00	08/23/15 20:09	1
Magnesium	**650**		5.0	2.0	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Manganese	**30**		0.50	0.10	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Nickel	**3.4**		0.50	0.14	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Potassium	**200**		25	4.1	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Selenium	<0.50		0.50	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Silver	<0.25		0.25	0.059	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Sodium	**530**		50	6.6	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Vanadium	**7.7**		0.25	0.073	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1
Zinc	**13**		1.0	0.32	mg/Kg	☼	08/21/15 11:00	08/21/15 21:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/25/15 18:00	08/26/15 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		08/25/15 18:00	08/26/15 15:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15**	**J**	16	5.5	ug/Kg	☼	08/25/15 16:30	08/26/15 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.33**		0.200	0.200	SU			08/24/15 15:24	1

Client Sample ID: WC-9(0-6)-081915
Date Collected: 08/19/15 10:32
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-11
Matrix: Solid
Percent Solids: 93.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		08/26/15 02:33	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 02:33	1
Bromodichloromethane	<5.4		5.4	0.91	ug/Kg	☼		08/26/15 02:33	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 02:33	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼		08/26/15 02:33	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		08/26/15 02:33	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 02:33	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 02:33	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		08/26/15 02:33	1
Chloroform	<5.4		5.4	1.0	ug/Kg	☼		08/26/15 02:33	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 02:33	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 02:33	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 02:33	1
Dibromochloromethane	<5.4		5.4	0.62	ug/Kg	☼		08/26/15 02:33	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 02:33	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		08/26/15 02:33	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		08/26/15 02:33	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		08/26/15 02:33	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		08/26/15 02:33	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 02:33	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		08/26/15 02:33	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		08/26/15 02:33	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		08/26/15 02:33	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 02:33	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 02:33	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 02:33	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.85	ug/Kg	☼		08/26/15 02:33	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 02:33	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		08/26/15 02:33	1
trans-1,2-Dichloroethene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 02:33	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		08/26/15 02:33	1
1,1,1-Trichloroethane	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 02:33	1
1,1,2-Trichloroethane	<5.4		5.4	1.0	ug/Kg	☼		08/26/15 02:33	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	☼		08/26/15 02:33	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 02:33	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 122*		*08/26/15 02:33*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/26/15 02:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*		*08/26/15 02:33*	*1*
Toluene-d8 (Surr)	*91*		*75 - 122*		*08/26/15 02:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	37	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
1,3-Dichlorobenzene	<170		170	38	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1

Client Sample ID: WC-9(0-6)-081915
Date Collected: 08/19/15 10:32
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-11
Matrix: Solid
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	78	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2,4-Dichlorophenol	<340		340	81	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2,4-Dinitrophenol	<690	*	690	600	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2,6-Dinitrotoluene	<170		170	67	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2-Methylnaphthalene	<34		34	6.3	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2-Methylphenol	<170		170	55	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
2-Nitrophenol	<340		340	80	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
4,6-Dinitro-2-methylphenol	<340	*	340	270	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
4-Nitrophenol	<690		690	320	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Acenaphthene	<34		34	6.1	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Anthracene	**6.8**	**J**	34	5.7	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Benzo[a]anthracene	**38**		34	4.6	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Benzo[a]pyrene	**48**		34	6.6	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Benzo[b]fluoranthene	**90**		34	7.3	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Benzo[g,h,i]perylene	<34		34	11	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Benzo[k]fluoranthene	**43**		34	10	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Bis(2-ethylhexyl) phthalate	<170		170	62	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Carbazole	<170		170	85	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Chrysene	**59**		34	9.3	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Dibenz(a,h)anthracene	<34		34	6.6	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Dibenzofuran	<170		170	40	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Dimethyl phthalate	<170		170	44	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Di-n-octyl phthalate	<170		170	55	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Fluoranthene	**65**		34	6.3	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Fluorene	<34		34	4.8	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Hexachlorobenzene	<69		69	7.9	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Hexachlorobutadiene	<170		170	53	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Hexachloroethane	<170		170	52	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1

Client Sample ID: WC-9(0-6)-081915
Date Collected: 08/19/15 10:32
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-11
Matrix: Solid
Percent Solids: 93.0

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	<34		34	8.8	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Isophorone	<170		170	38	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Naphthalene	<34		34	5.2	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Nitrobenzene	<34		34	8.5	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Phenanthrene	**33**	**J**	34	4.7	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Phenol	<170		170	76	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1
Pyrene	**99**		34	6.8	ug/Kg	☼	08/25/15 17:33	08/29/15 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*08/25/15 17:33*	*08/29/15 21:04*	*1*
2-Fluorobiphenyl	*94*		*25 - 119*	*08/25/15 17:33*	*08/29/15 21:04*	*1*
2-Fluorophenol	*99*		*25 - 110*	*08/25/15 17:33*	*08/29/15 21:04*	*1*
Nitrobenzene-d5	*89*		*25 - 115*	*08/25/15 17:33*	*08/29/15 21:04*	*1*
Phenol-d5	*103*		*31 - 110*	*08/25/15 17:33*	*08/29/15 21:04*	*1*
Terphenyl-d14	*160*	*X*	*36 - 134*	*08/25/15 17:33*	*08/29/15 21:04*	*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		08/25/15 10:00	08/25/15 19:34	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 19:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 19:34	1
Cadmium	**0.0033**	**J**	0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 19:34	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:33	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:34	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:34	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 13:33	1
Lead	**0.046**		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 19:34	1
Manganese	**0.50**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:33	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:34	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 19:34	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:34	1
Zinc	**0.54**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 13:33	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		08/25/15 11:00	08/25/15 21:57	1
Barium	**0.075**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 21:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 21:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 21:57	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:57	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:57	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:57	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 21:57	1
Lead	**0.025**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 21:57	1
Manganese	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:57	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 21:57	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 21:57	1

Client Sample ID: WC-9(0-6)-081915
Date Collected: 08/19/15 10:32
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-11
Matrix: Solid
Percent Solids: 93.0

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		08/25/15 11:00	08/25/15 21:57	1
Zinc	**0.21**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 21:57	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	☼	08/21/15 11:00	08/21/15 21:38	1
Arsenic	**3.1**		0.53	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Barium	**11**		0.53	0.098	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Beryllium	**0.15**	**J**	0.21	0.046	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Cadmium	**0.17**		0.11	0.031	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Calcium	**16000**		11	3.4	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Chromium	**4.7**		0.53	0.092	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Cobalt	**1.6**		0.27	0.060	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Copper	**9.5**		0.53	0.12	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Iron	**4100**		11	4.1	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Lead	**36**	**B**	0.27	0.13	mg/Kg	☼	08/21/15 11:00	08/24/15 20:06	1
Magnesium	**9700**		5.3	2.2	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Manganese	**64**		0.53	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Nickel	**3.9**		0.53	0.14	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Potassium	**300**		27	4.4	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Sodium	**190**		53	7.0	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Vanadium	**8.3**		0.27	0.078	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	1
Zinc	**29**		1.1	0.34	mg/Kg	☼	08/21/15 11:00	08/21/15 21:38	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		08/25/15 18:00	08/26/15 14:00	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		08/25/15 18:00	08/26/15 15:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**13**	**J**	17	5.8	ug/Kg	☼	08/25/15 16:30	08/26/15 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.51**		0.200	0.200	SU			08/24/15 15:29	1

Client Sample ID: WC-10(0-6)-081915
Date Collected: 08/19/15 10:50
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-12
Matrix: Solid
Percent Solids: 94.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<21		21	4.1	ug/Kg	☼		08/26/15 02:57	1
Benzene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 02:57	1
Bromodichloromethane	<5.3		5.3	0.90	ug/Kg	☼		08/26/15 02:57	1
Bromoform	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:57	1
Bromomethane	<5.3		5.3	2.0	ug/Kg	☼		08/26/15 02:57	1
Carbon disulfide	<5.3		5.3	2.0	ug/Kg	☼		08/26/15 02:57	1
Carbon tetrachloride	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:57	1
Chlorobenzene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 02:57	1
Chloroethane	<5.3		5.3	2.2	ug/Kg	☼		08/26/15 02:57	1
Chloroform	<5.3		5.3	1.0	ug/Kg	☼		08/26/15 02:57	1
Chloromethane	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 02:57	1
cis-1,2-Dichloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:57	1
cis-1,3-Dichloropropene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 02:57	1
Dibromochloromethane	<5.3		5.3	0.61	ug/Kg	☼		08/26/15 02:57	1
1,1-Dichloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:57	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/26/15 02:57	1
1,1-Dichloroethene	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 02:57	1
1,2-Dichloropropane	<5.3		5.3	1.4	ug/Kg	☼		08/26/15 02:57	1
1,3-Dichloropropene, Total	<5.3		5.3	1.5	ug/Kg	☼		08/26/15 02:57	1
Ethylbenzene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 02:57	1
2-Hexanone	<5.3		5.3	1.6	ug/Kg	☼		08/26/15 02:57	1
Methylene Chloride	<5.3		5.3	4.0	ug/Kg	☼		08/26/15 02:57	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 02:57	1
methyl isobutyl ketone	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:57	1
Methyl tert-butyl ether	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 02:57	1
Styrene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 02:57	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/26/15 02:57	1
Tetrachloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 02:57	1
Toluene	<5.3		5.3	1.8	ug/Kg	☼		08/26/15 02:57	1
trans-1,2-Dichloroethene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 02:57	1
trans-1,3-Dichloropropene	<5.3		5.3	1.5	ug/Kg	☼		08/26/15 02:57	1
1,1,1-Trichloroethane	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 02:57	1
1,1,2-Trichloroethane	<5.3		5.3	1.0	ug/Kg	☼		08/26/15 02:57	1
Trichloroethene	<5.3		5.3	1.4	ug/Kg	☼		08/26/15 02:57	1
Vinyl chloride	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 02:57	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*08/26/15 02:57*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/26/15 02:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*08/26/15 02:57*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/26/15 02:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1

Client Sample ID: WC-10(0-6)-081915
Date Collected: 08/19/15 10:50
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-12
Matrix: Solid
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	80	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2,4-Dinitrophenol	<710	*	710	620	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2-Methylphenol	<180		180	56	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
4,6-Dinitro-2-methylphenol	<350	*	350	280	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Anthracene	<35		35	5.8	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Benzo[a]anthracene	**16**	**J**	35	4.7	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Benzo[a]pyrene	<35		35	6.8	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Benzo[b]fluoranthene	**37**		35	7.6	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Benzo[k]fluoranthene	**19**	**J**	35	10	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Carbazole	<180		180	87	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Chrysene	**26**	**J**	35	9.5	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Fluoranthene	**27**	**J**	35	6.5	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Fluorene	<35		35	4.9	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Hexachloroethane	<180		180	53	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1

Client Sample ID: WC-10(0-6)-081915
Date Collected: 08/19/15 10:50
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-12
Matrix: Solid
Percent Solids: 94.1

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	<35		35	9.1	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Isophorone	<180		180	39	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Phenanthrene	**14**	**J**	35	4.9	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Phenol	<180		180	78	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1
Pyrene	**42**		35	7.0	ug/Kg	☼	08/25/15 17:33	08/29/15 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*08/25/15 17:33*	*08/29/15 21:28*	*1*
2-Fluorobiphenyl	*89*		*25 - 119*	*08/25/15 17:33*	*08/29/15 21:28*	*1*
2-Fluorophenol	*132*	*X*	*25 - 110*	*08/25/15 17:33*	*08/29/15 21:28*	*1*
Nitrobenzene-d5	*90*		*25 - 115*	*08/25/15 17:33*	*08/29/15 21:28*	*1*
Phenol-d5	*109*		*31 - 110*	*08/25/15 17:33*	*08/29/15 21:28*	*1*
Terphenyl-d14	*162*	*X*	*36 - 134*	*08/25/15 17:33*	*08/29/15 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		08/25/15 10:00	08/25/15 19:39	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 19:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 19:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 19:39	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:37	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:39	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:39	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 13:37	1
Lead	**0.047**		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 19:39	1
Manganese	**0.39**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:37	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:39	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 19:39	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:39	1
Zinc	**0.15**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 13:37	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		08/25/15 11:00	08/25/15 22:04	1
Barium	**0.075**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 22:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 22:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 22:04	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:04	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:04	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:04	1
Iron	**2.0**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 22:04	1
Lead	**0.050**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 22:04	1
Manganese	**0.035**		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:04	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:04	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 22:04	1

Client Sample ID: WC-10(0-6)-081915
Date Collected: 08/19/15 10:50
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-12
Matrix: Solid
Percent Solids: 94.1

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		08/25/15 11:00	08/25/15 22:04	1
Zinc	**0.12**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 22:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Arsenic	**2.3**		0.50	0.23	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Barium	**9.2**		0.50	0.091	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Beryllium	**0.12**	**J**	0.20	0.043	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Cadmium	**0.13**		0.10	0.029	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Calcium	**7600**		10	3.2	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Chromium	**3.7**		0.50	0.086	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Cobalt	**1.3**		0.25	0.056	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Copper	**5.7**		0.50	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Iron	**3500**		10	3.8	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Lead	**25**	**B**	0.25	0.12	mg/Kg	☼	08/21/15 11:00	08/24/15 20:10	1
Magnesium	**4700**		5.0	2.0	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Manganese	**43**		0.50	0.099	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Nickel	**3.3**		0.50	0.13	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Potassium	**200**		25	4.1	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Selenium	<0.50		0.50	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Silver	<0.25		0.25	0.058	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Sodium	**150**		50	6.6	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Vanadium	**6.2**		0.25	0.073	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	1
Zinc	**25**		1.0	0.32	mg/Kg	☼	08/21/15 11:00	08/21/15 21:44	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		08/25/15 18:00	08/26/15 14:02	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		08/25/15 18:00	08/26/15 16:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**10**	**J**	17	5.8	ug/Kg	☼	08/25/15 16:30	08/26/15 10:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.71**		0.200	0.200	SU			08/24/15 15:33	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.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100116-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL
2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-100116 COC

Chain of Custody Record

Lab Job #: 500-100116

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.4, 2.9

Report To (optional)	Bill To (optional)
Contact: S. Babusukumar	Contact: SAME
Company: Weston Solutions Inc.	Company:
Address: 300 Plaza Circle, Ste. 202	Address:
Address: Hundelein, IL 60060	Address:
Phone: 224-864-7250	Phone:
Fax: 224-864-7230	Fax:
E-Mail: S.Babusukumar@westonsolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions Inc.	02056.014.026.0030
Project Name	
IDOT 026-Thornton-Lansing Road	
Project Location/State	Lab Project #
Lansing, IL	
Sampler	Lab PM
M. Doheny-Skubic	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	PH	Comments
1		WC-3(0-6)-081915	8-19-15	0820	2	S		X	X	X	X	X	
2		WC-4(0-6)-081915		0835									
3		WC-5(0-6)-081915		0847									
4		WC-6(0-6)-081915		0910									
5		WC-6(6-8)-081915		0913	2	S		X	X	X	X	X	
6		WC-6-081915	8-19-15	0920	5	W		X	X	X			
7		TRIPBLANK2	—	—	2	W		X					
8		WC-7(0-6)-081915	8-19-15	0955	2	S		X	X	X	X	X	
9		WC-7(0-6)-081915D	8-19-15	0955	2	S		X	X	X	X	X	
10		WC-8(0-6)-081915	8-19-15	1010	2	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	8-19-15	1547	[illegible]	TA	8/19/15	1547
[illegible]	TA	8/19/15	1630	[illegible]	TA-CHI	8/20/15	0710
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)
8/31/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Babusukumar
Company: Weston Solutions Inc
Address: 300 Plaza Circle, Ste. 202
Address: W Hundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7234
E-Mail: S.BabuSukumar@westonsolutions.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-100116
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston Solutions
Client Project #: 02056.014.026.0030
Project Name: IDOT 026 - Thornton-Lansing Rd
Project Location/State: Lansing, IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: Drk Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		WC-9(0-6)-081915	8-19-15	1032	2	S		X	X	X	X	X	
12		WC-10(0-6)-081915		1050									
13		VL15-1(0-6)-081915		1123									
14		VL15-2(0-6)-081915		1145									
15		VL15-3(0-6)-081915		1205									
16		MM-1(0-6)-081915		1227									
17		MM-2(0-6)-081915		1242									
18		MM-3(0-6)-081915		1253									
19		MM-4(0-6)-081915		1310									
20		MM-4(0-6)-081915D	8-19-15	1310	2	S		X	X	X	X	X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days (7 Days) ___ 10 Days ___ 15 Days ~~Standard~~ 5 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
[illegible]	Weston	8-19-15	1547	J. Neal	TA	8/19/15	1547
J. Neal	TA	8/19/15	1630	[illegible]	TA-CHI	8/20/15	0710

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 (1209)

8/31/2015

Client Sample ID: WC-1(0-6)-081815
Date Collected: 08/18/15 14:45
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-19
Matrix: Solid
Percent Solids: 93.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<21		21	4.1	ug/Kg	☼		08/27/15 13:29	1
Benzene	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 13:29	1
Bromodichloromethane	<5.3		5.3	0.90	ug/Kg	☼		08/27/15 13:29	1
Bromoform	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 13:29	1
Bromomethane	<5.3		5.3	2.0	ug/Kg	☼		08/27/15 13:29	1
Carbon disulfide	<5.3		5.3	2.0	ug/Kg	☼		08/27/15 13:29	1
Carbon tetrachloride	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 13:29	1
Chlorobenzene	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 13:29	1
Chloroethane	<5.3		5.3	2.2	ug/Kg	☼		08/27/15 13:29	1
Chloroform	<5.3		5.3	1.0	ug/Kg	☼		08/27/15 13:29	1
Chloromethane	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 13:29	1
cis-1,2-Dichloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 13:29	1
cis-1,3-Dichloropropene	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 13:29	1
Dibromochloromethane	<5.3		5.3	0.61	ug/Kg	☼		08/27/15 13:29	1
1,1-Dichloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 13:29	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/27/15 13:29	1
1,1-Dichloroethene	<5.3		5.3	1.9	ug/Kg	☼		08/27/15 13:29	1
1,2-Dichloropropane	<5.3		5.3	1.4	ug/Kg	☼		08/27/15 13:29	1
1,3-Dichloropropene, Total	<5.3		5.3	1.5	ug/Kg	☼		08/27/15 13:29	1
Ethylbenzene	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 13:29	1
2-Hexanone	<5.3		5.3	1.7	ug/Kg	☼		08/27/15 13:29	1
Methylene Chloride	<5.3		5.3	4.0	ug/Kg	☼		08/27/15 13:29	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/27/15 13:29	1
methyl isobutyl ketone	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 13:29	1
Methyl tert-butyl ether	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 13:29	1
Styrene	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 13:29	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	0.85	ug/Kg	☼		08/27/15 13:29	1
Tetrachloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/27/15 13:29	1
Toluene	<5.3		5.3	1.9	ug/Kg	☼		08/27/15 13:29	1
trans-1,2-Dichloroethene	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 13:29	1
trans-1,3-Dichloropropene	<5.3		5.3	1.5	ug/Kg	☼		08/27/15 13:29	1
1,1,1-Trichloroethane	<5.3		5.3	1.2	ug/Kg	☼		08/27/15 13:29	1
1,1,2-Trichloroethane	<5.3		5.3	1.0	ug/Kg	☼		08/27/15 13:29	1
Trichloroethene	<5.3		5.3	1.4	ug/Kg	☼		08/27/15 13:29	1
Vinyl chloride	<5.3		5.3	1.3	ug/Kg	☼		08/27/15 13:29	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/27/15 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*08/27/15 13:29*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/27/15 13:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 134*		*08/27/15 13:29*	*1*
Toluene-d8 (Surr)	*88*		*75 - 122*		*08/27/15 13:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1

Client Sample ID: WC-1(0-6)-081815
Date Collected: 08/18/15 14:45
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-19
Matrix: Solid
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	80	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2-Methylphenol	<180		180	56	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Anthracene	<35		35	5.9	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Benzo[a]anthracene	**11**	**J**	35	4.7	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Benzo[a]pyrene	<35		35	6.8	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Benzo[b]fluoranthene	<35		35	7.6	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Carbazole	<180		180	88	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Chrysene	**14**	**J**	35	9.6	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Fluoranthene	**18**	**J**	35	6.5	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Fluorene	<35		35	4.9	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Hexachloroethane	<180		180	54	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1

Client Sample ID: WC-1(0-6)-081815
Date Collected: 08/18/15 14:45
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-19
Matrix: Solid
Percent Solids: 93.6

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	<35		35	9.1	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Isophorone	<180		180	40	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Phenol	<180		180	78	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1
Pyrene	**22**	**J**	35	7.0	ug/Kg	☼	08/24/15 07:25	08/26/15 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*35 - 137*	*08/24/15 07:25*	*08/26/15 15:50*	*1*
2-Fluorobiphenyl	*97*		*25 - 119*	*08/24/15 07:25*	*08/26/15 15:50*	*1*
2-Fluorophenol	*96*		*25 - 110*	*08/24/15 07:25*	*08/26/15 15:50*	*1*
Nitrobenzene-d5	*86*		*25 - 115*	*08/24/15 07:25*	*08/26/15 15:50*	*1*
Phenol-d5	*91*		*31 - 110*	*08/24/15 07:25*	*08/26/15 15:50*	*1*
Terphenyl-d14	*128*		*36 - 134*	*08/24/15 07:25*	*08/26/15 15:50*	*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		08/21/15 09:00	08/23/15 22:33	1
Barium	**0.14**	**J**	0.50	0.050	mg/L		08/21/15 09:00	08/23/15 22:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/15 09:00	08/23/15 22:33	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		08/21/15 09:00	08/23/15 22:33	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:33	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:33	1
Copper	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:33	1
Iron	<0.20		0.20	0.20	mg/L		08/21/15 09:00	08/23/15 22:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/15 09:00	08/23/15 22:33	1
Manganese	**0.16**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:33	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:33	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/15 09:00	08/23/15 22:33	1
Silver	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:33	1
Zinc	**0.27**		0.10	0.020	mg/L		08/21/15 09:00	08/23/15 22:33	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		08/23/15 16:00	08/24/15 19:49	1
Barium	**0.056**	**J**	0.50	0.050	mg/L		08/23/15 16:00	08/24/15 19:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/15 16:00	08/24/15 19:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/15 16:00	08/24/15 19:49	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:49	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:49	1
Copper	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:49	1
Iron	**0.95**		0.20	0.20	mg/L		08/23/15 16:00	08/24/15 19:49	1
Lead	**0.0082**		0.0075	0.0075	mg/L		08/23/15 16:00	08/24/15 19:49	1
Manganese	**0.012**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:49	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:49	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/15 16:00	08/24/15 19:49	1

Client Sample ID: WC-1(0-6)-081815
Date Collected: 08/18/15 14:45
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-19
Matrix: Solid
Percent Solids: 93.6

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		08/23/15 16:00	08/24/15 19:49	1
Zinc	**0.19**	**B**	0.10	0.020	mg/L		08/23/15 16:00	08/25/15 15:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Arsenic	**2.9**		0.51	0.24	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Barium	**15**		0.51	0.094	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Beryllium	**0.15**	**J**	0.20	0.044	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Cadmium	**0.19**		0.10	0.030	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Calcium	**11000**		10	3.3	mg/Kg	☼	08/20/15 09:00	08/21/15 14:41	1
Chromium	**3.2**		0.51	0.088	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Cobalt	**1.8**		0.26	0.058	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Copper	**3.6**		0.51	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Iron	**3600**		10	3.9	mg/Kg	☼	08/20/15 09:00	08/21/15 14:41	1
Lead	**11**		0.26	0.13	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Magnesium	**7400**		5.1	2.1	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Manganese	**44**		0.51	0.10	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Nickel	**3.9**		0.51	0.14	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Potassium	**300**	**B**	26	4.2	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Selenium	**0.38**	**J**	0.51	0.25	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Sodium	**320**	**B**	51	6.7	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Thallium	<0.51		0.51	0.25	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Vanadium	**6.3**		0.26	0.075	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	1
Zinc	**27**	**B**	1.0	0.32	mg/Kg	☼	08/20/15 09:00	08/20/15 22:24	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		08/21/15 15:00	08/24/15 13:34	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		08/24/15 18:00	08/25/15 14:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.1**	**J**	18	6.2	ug/Kg	☼	08/24/15 16:30	08/25/15 13:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.28**		0.200	0.200	SU			08/21/15 14:27	1

Client Sample ID: WC-2(0-6)-081815
Date Collected: 08/18/15 13:05
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-20
Matrix: Solid
Percent Solids: 92.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<22		22	4.2	ug/Kg	☼		08/27/15 13:54	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		08/27/15 13:54	1
Bromodichloromethane	<5.4		5.4	0.91	ug/Kg	☼		08/27/15 13:54	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		08/27/15 13:54	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼		08/27/15 13:54	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		08/27/15 13:54	1
Carbon tetrachloride	<5.4		5.4	1.2	ug/Kg	☼		08/27/15 13:54	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		08/27/15 13:54	1
Chloroethane	<5.4		5.4	2.3	ug/Kg	☼		08/27/15 13:54	1
Chloroform	<5.4		5.4	1.1	ug/Kg	☼		08/27/15 13:54	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		08/27/15 13:54	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		08/27/15 13:54	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		08/27/15 13:54	1
Dibromochloromethane	<5.4		5.4	0.62	ug/Kg	☼		08/27/15 13:54	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		08/27/15 13:54	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		08/27/15 13:54	1
1,1-Dichloroethene	<5.4		5.4	2.0	ug/Kg	☼		08/27/15 13:54	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		08/27/15 13:54	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		08/27/15 13:54	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		08/27/15 13:54	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		08/27/15 13:54	1
Methylene Chloride	<5.4		5.4	4.1	ug/Kg	☼		08/27/15 13:54	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		08/27/15 13:54	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		08/27/15 13:54	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		08/27/15 13:54	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		08/27/15 13:54	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.86	ug/Kg	☼		08/27/15 13:54	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		08/27/15 13:54	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		08/27/15 13:54	1
trans-1,2-Dichloroethene	<5.4		5.4	1.3	ug/Kg	☼		08/27/15 13:54	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		08/27/15 13:54	1
1,1,1-Trichloroethane	<5.4		5.4	1.2	ug/Kg	☼		08/27/15 13:54	1
1,1,2-Trichloroethane	<5.4		5.4	1.0	ug/Kg	☼		08/27/15 13:54	1
Trichloroethene	<5.4		5.4	1.5	ug/Kg	☼		08/27/15 13:54	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		08/27/15 13:54	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/27/15 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 122*		*08/27/15 13:54*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*08/27/15 13:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 134*		*08/27/15 13:54*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*		*08/27/15 13:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	37	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1

Client Sample ID: WC-2(0-6)-081815
Date Collected: 08/18/15 13:05
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-20
Matrix: Solid
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	78	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2,4-Dinitrophenol	<690		690	610	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2-Methylnaphthalene	<34		34	6.3	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2-Methylphenol	<170		170	55	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
4,6-Dinitro-2-methylphenol	<340		340	280	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
4-Nitrophenol	<690		690	330	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Anthracene	<34		34	5.7	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Benzo[a]anthracene	**19**	**J**	34	4.6	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Benzo[a]pyrene	**26**	**J**	34	6.7	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Benzo[b]fluoranthene	**41**		34	7.4	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Benzo[g,h,i]perylene	**30**	**J**	34	11	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Benzo[k]fluoranthene	**16**	**J**	34	10	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Carbazole	<170		170	86	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Chrysene	**26**	**J**	34	9.4	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Dibenz(a,h)anthracene	<34		34	6.6	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Dibenzofuran	<170		170	40	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Fluoranthene	**28**	**J**	34	6.4	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Fluorene	<34		34	4.8	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Hexachlorobenzene	<69		69	8.0	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Hexachloroethane	<170		170	52	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1

Client Sample ID: WC-2(0-6)-081815
Date Collected: 08/18/15 13:05
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-20
Matrix: Solid
Percent Solids: 92.8

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	**17**	**J**	34	8.9	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Isophorone	<170		170	39	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Naphthalene	<34		34	5.3	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Phenanthrene	**12**	**J**	34	4.8	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Phenol	<170		170	76	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1
Pyrene	**41**		34	6.8	ug/Kg	☼	08/24/15 07:25	08/26/15 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*35 - 137*	*08/24/15 07:25*	*08/26/15 16:17*	*1*
2-Fluorobiphenyl	*88*		*25 - 119*	*08/24/15 07:25*	*08/26/15 16:17*	*1*
2-Fluorophenol	*83*		*25 - 110*	*08/24/15 07:25*	*08/26/15 16:17*	*1*
Nitrobenzene-d5	*75*		*25 - 115*	*08/24/15 07:25*	*08/26/15 16:17*	*1*
Phenol-d5	*80*		*31 - 110*	*08/24/15 07:25*	*08/26/15 16:17*	*1*
Terphenyl-d14	*139*	*X*	*36 - 134*	*08/24/15 07:25*	*08/26/15 16:17*	*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		08/21/15 09:00	08/23/15 22:40	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		08/21/15 09:00	08/23/15 22:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/21/15 09:00	08/23/15 22:40	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		08/21/15 09:00	08/23/15 22:40	1
Chromium	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:40	1
Cobalt	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:40	1
Copper	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:40	1
Iron	<0.20		0.20	0.20	mg/L		08/21/15 09:00	08/23/15 22:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/21/15 09:00	08/23/15 22:40	1
Manganese	**0.97**		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:40	1
Nickel	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:40	1
Selenium	<0.050		0.050	0.020	mg/L		08/21/15 09:00	08/23/15 22:40	1
Silver	<0.025		0.025	0.010	mg/L		08/21/15 09:00	08/23/15 22:40	1
Zinc	**0.054**	**J**	0.10	0.020	mg/L		08/21/15 09:00	08/23/15 22:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.018**	**J**	0.050	0.010	mg/L		08/23/15 16:00	08/24/15 19:56	1
Barium	**0.12**	**J**	0.50	0.050	mg/L		08/23/15 16:00	08/24/15 19:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/15 16:00	08/24/15 19:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/15 16:00	08/24/15 19:56	1
Chromium	**0.037**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:56	1
Cobalt	**0.013**	**J**	0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:56	1
Copper	**0.031**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:56	1
Iron	**31**		0.20	0.20	mg/L		08/23/15 16:00	08/24/15 19:56	1
Lead	**0.059**		0.0075	0.0075	mg/L		08/23/15 16:00	08/24/15 19:56	1
Manganese	**0.23**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:56	1
Nickel	**0.032**		0.025	0.010	mg/L		08/23/15 16:00	08/24/15 19:56	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/15 16:00	08/24/15 19:56	1

Client Sample ID: WC-2(0-6)-081815
Date Collected: 08/18/15 13:05
Date Received: 08/19/15 07:30

Lab Sample ID: 500-100041-20
Matrix: Solid
Percent Solids: 92.8

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		08/23/15 16:00	08/24/15 19:56	1
Zinc	**0.17**	**B**	0.10	0.020	mg/L		08/23/15 16:00	08/25/15 15:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Arsenic	**4.9**		0.53	0.24	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Barium	**14**		0.53	0.096	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Beryllium	**0.22**		0.21	0.046	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Cadmium	**0.14**		0.11	0.030	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Calcium	**21000**		11	3.4	mg/Kg	☼	08/20/15 09:00	08/21/15 14:45	1
Chromium	**4.9**		0.53	0.091	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Cobalt	**3.4**		0.26	0.059	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Copper	**6.5**		0.53	0.11	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Iron	**5700**		11	4.1	mg/Kg	☼	08/20/15 09:00	08/21/15 14:45	1
Lead	**17**		0.26	0.13	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Magnesium	**16000**		5.3	2.1	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Manganese	**75**		0.53	0.10	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Nickel	**6.9**		0.53	0.14	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Potassium	**690**	**B**	26	4.3	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Silver	<0.26		0.26	0.062	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Sodium	**560**	**B**	53	6.9	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Vanadium	**10**		0.26	0.077	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	1
Zinc	**32**	**B**	1.1	0.33	mg/Kg	☼	08/20/15 09:00	08/20/15 22:28	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		08/21/15 15:00	08/24/15 13:36	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		08/24/15 18:00	08/25/15 14:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**10**	**J**	17	5.8	ug/Kg	☼	08/24/15 16:30	08/25/15 13:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.85**		0.200	0.200	SU			08/21/15 14:33	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
*	LCS or LCSD is outside acceptance limits.

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100041-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL T

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

500-100041 COC

(optional)

Report To
Contact: S Babusukumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste. 202
Address: Vlundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7234
E-Mail: S.Babusukumar@westarsolutions.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-100041

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.7

Client	Client Project #
Weston Solutions Inc.	02056.014.026.0880
Project Name: IDOT 026-Thorton-Lansing Road	
Project Location/State: Lansing, IL	Lab Project #
Sampler: M. Doheny-Skubic	Lab PM: D Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	7	7	7	7	7					Comments
							Parameter	VOCs	SVOCs	Total Metals	TCLP SPLP Metals	pH					
1		VL-1(0-6)-081815	8-18-15	0945	2	S		X	X	X	X	X					
2		VL-1(0-6)-081815D		0945	2	S		X	X	X	X	X					
3		VL-2(0-6)-081815		1005	2	S		X	X	X	X	X					
4		VL-3(0-6)-081815		1015	2	S		X	X	X	X	X					
5		VL-4(0-6)-081815		1035	2	S		X	X	X	X	X					
6		VL-5(0-6)-081815		1053	2	S		X	X	X	X	X					
7		VL-5(6-10)-081815		1058	2	S		X	X	X	X	X					
8		VL-5-081815		1110	5	W		X	X	X							
9		VL-5-081815D	8-18-15	1110	5	W		X	X	X							
10		TRIPBLANK1	8-1815	—	2	W		X									

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days (7 Days) ___ 10 Days ___ 15 Days Standard TAT 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
Mdoheny-Skubic	Weston	8-18-15	1605	[illegible]	TA	8/18/15	1605
[illegible]	TA	8/18/15	1643	[illegible]	TA-CHI	8/19/15	0730

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)

8/28/2015

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: S. Babu Kumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste. 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7234
E-Mail: S.BabuKumar@WestonSolutions.com

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

Chain of Custody Record

Lab Job #: 500-100041
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client	Client Project #
Weston Solutions	02056.014.026.0030
Project Name	
IDOT 026-Thorton-Lansing Road	
Project Location/State	Lab Project #
Lansing, IL	
Sampler	Lab PM
M. Doheny-SK-bic	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	7	7	7	7	7					Comments
							Parameter	VOCs	SVOCs	TOTAL Metals	TCLP/SPLP Metals	pH					
11		VL-6(0-6)-081815	8-18-15	1215	2	S		X	X	X	X	X					
12		VL-7(0-6)-081815		1230													
13		VL-8(0-6)-081815		1242													
14		VL-9(0-6)-081815		1300													
15		VL-10(0-6)-081815		1320													
16		VL-10(0-6)-081815D		1320													
17		VL-11(0-6)-081815		1410													
18		R2-1(0-6)-081815		1435													
19		WC-1(0-6)-081815		1445													
20		WC-2(0-6)-081815	8-18-15	1305	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days (7 Days) ___ 10 Days ___ 15 Days Standard 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
[illegible]	Weston	8-18-15	1605	J. Neal	TA	8/18/15	1605
J. Neal	TA	8/18/15	1643	[illegible]	TA-CHI	8/19/15	0730

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)
8/28/2015

Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island Ave Office Phone Number, if available: _____

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

1700 block of Thornton-Lansing Road (ISGS Site No. 997V2-15)

City: Lansing State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.569689588 (Decimal Degrees) Longitude: -87.575430512 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

II. Owner/Operator Information for Source Site

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

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

Project Name: FAU 1620: Thornton-Lansing Rd at Stony Island

Latitude: 41.569689588 Longitude: -87.575430512

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS VL15-1 THROUGH VL15-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 997V2-15. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-100116-1.
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

16 Dec. 2016
Date:

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

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

Summary Table of ISGS Site No. 997V2-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	VL15-1(0-6)-081915	VL15-2(0-6)-081915	VL15-3(0-6)-081915	**Soil Reference Concentrations[A]**
Sample Date	8/19/2015	8/19/2015	8/19/2015	
Location ID	VL15-1	VL15-2	VL15-3	
Depth	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-15	997V2-15	997V2-15	
Parameter				
Laboratory pH (s.u.)	8.86	8.68	8.22	<6.25, >9.0
VOCs (ug/kg)				
Acetone	ND	ND	130	25000
Benzene	ND	ND	3.2 J	30
Methyl ethyl ketone	ND	ND	14	---
SVOCs (ug/kg)				
Anthracene	8.3 J	8.6 J	ND	1.20E+07
Benzo(a)anthracene	45	40	9.2 J	900 / 1100 / 1800
Benzo(a)pyrene	54	39	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	100	84	ND	900 / 1500 /2100
Benzo(k)fluoranthene	51	26 J	ND	9000
Chrysene	66	52	19 J	88000
Fluoranthene	82	80	17 J	3100000
Phenanthrene	30 J	43	10 J	---
Pyrene	130	120	32 J	2300000
Total Metals (mg/kg)				
Arsenic, Total	2.5 J	2.1 J	5.6 J	11.3 / 13
Barium, Total	8.7	7.2	70	1500
Beryllium, Total	0.15 J	0.12 J	0.65	22
Cadmium, Total	0.15	0.11	0.58	5.2
Calcium, Total	16000 J	20000 J	25000 J	---
Chromium, Total	5.6	3.4	18	21
Cobalt, Total	1.5	1.2	9.2	20
Copper, Total	8.2 J	4 J	20 J	2900
Iron, Total	3800 J+	3100 J+	18000 J+	15000 / 15900
Lead, Total	32 B	6.5 B	26 B	107
Magnesium, Total	10000 J	13000 J	14000 J	325000
Manganese, Total	130 J	41 J	370 J	630 / 636
Mercury, Total	0.017	0.013 J	0.036	0.89
Nickel, Total	3.8 J	2.8 J	18 J	100
Potassium, Total	300 J+	230 J+	2000 J+	---
Selenium, Total	ND	ND	ND	1.3
Sodium, Total	260 J	450 J	150 J	---
Thallium, Total	ND	ND	0.68	2.6
Vanadium, Total	8	6.3	24	550
Zinc, Total	29	39	75	5100
TCLP Metals (mg/l)				
Arsenic, TCLP	ND	ND	0.011 J	0.05
Barium, TCLP	0.22 J	0.16 J	0.74	2
Beryllium, TCLP	ND	ND	ND	0.004
Cadmium, TCLP	0.0024 J	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	0.013 J	1
Copper, TCLP	0.016 J	0.011 J	ND	0.65
Iron, TCLP	ND	ND	0.56	5
Lead, TCLP	0.031	ND	ND	0.0075
Manganese, TCLP	0.54	0.37	5.2	0.15
Mercury, TCLP	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	0.1
Selenium, TCLP	0.021 J	ND	0.021 J	0.05
Zinc, TCLP	0.21	0.6	0.26	5

Summary Table of ISGS Site No. 997V2-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 1620: Thornton-Lansing Road at Stony Island Avenue/Volbrecht Road
Lansing, Cook County, Illinois

Field Sample ID	VL15-1(0-6)-081915	VL15-2(0-6)-081915	VL15-3(0-6)-081915	**Soil Reference Concentrations[A]**
Sample Date	8/19/2015	8/19/2015	8/19/2015	
Location ID	VL15-1	VL15-2	VL15-3	
Depth	0 - 6	0 - 6	0 - 6	
ISGS Site No.	997V2-15	997V2-15	997V2-15	
Parameter				
SPLP Metals (mg/l)				
Arsenic, SPLP	ND	ND	ND	0.05
Barium, SPLP	0.074 J	0.059 J	0.16 J	2
Beryllium, SPLP	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	0.023 J	0.1
Cobalt, SPLP	ND	ND	ND	1
Copper, SPLP	0.016 J	0.011 J	0.019 J	0.65
Iron, SPLP	0.31	0.4	13	5
Lead, SPLP	0.015	ND	0.015	0.0075
Manganese, SPLP	0.017 J	ND	0.12	0.15
Mercury, SPLP	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	0.016 J	0.1
Selenium, SPLP	ND	ND	ND	0.05
Zinc, SPLP	0.1	0.35	0.11	5

Notes:

--- - not applicable or value not available.

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

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-100116-1
Client Project/Site: IDOT - Lansing - WO 026

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

Attn: Mr. S. Babusukumar

Authorized for release by:
8/31/2015 2:45:32 PM

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

Client Sample ID: VL15-1(0-6)-081915
Date Collected: 08/19/15 11:23
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-13
Matrix: Solid
Percent Solids: 93.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<21		21	4.1	ug/Kg	☼		08/26/15 03:21	1
Benzene	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 03:21	1
Bromodichloromethane	<5.4		5.4	0.90	ug/Kg	☼		08/26/15 03:21	1
Bromoform	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 03:21	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼		08/26/15 03:21	1
Carbon disulfide	<5.4		5.4	2.0	ug/Kg	☼		08/26/15 03:21	1
Carbon tetrachloride	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 03:21	1
Chlorobenzene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 03:21	1
Chloroethane	<5.4		5.4	2.2	ug/Kg	☼		08/26/15 03:21	1
Chloroform	<5.4		5.4	1.0	ug/Kg	☼		08/26/15 03:21	1
Chloromethane	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 03:21	1
cis-1,2-Dichloroethene	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 03:21	1
cis-1,3-Dichloropropene	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 03:21	1
Dibromochloromethane	<5.4		5.4	0.62	ug/Kg	☼		08/26/15 03:21	1
1,1-Dichloroethane	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 03:21	1
1,2-Dichloroethane	<5.4		5.4	0.79	ug/Kg	☼		08/26/15 03:21	1
1,1-Dichloroethene	<5.4		5.4	1.9	ug/Kg	☼		08/26/15 03:21	1
1,2-Dichloropropane	<5.4		5.4	1.4	ug/Kg	☼		08/26/15 03:21	1
1,3-Dichloropropene, Total	<5.4		5.4	1.5	ug/Kg	☼		08/26/15 03:21	1
Ethylbenzene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 03:21	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼		08/26/15 03:21	1
Methylene Chloride	<5.4		5.4	4.0	ug/Kg	☼		08/26/15 03:21	1
Methyl Ethyl Ketone	<5.4		5.4	1.9	ug/Kg	☼		08/26/15 03:21	1
methyl isobutyl ketone	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 03:21	1
Methyl tert-butyl ether	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 03:21	1
Styrene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 03:21	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	0.85	ug/Kg	☼		08/26/15 03:21	1
Tetrachloroethene	<5.4		5.4	1.1	ug/Kg	☼		08/26/15 03:21	1
Toluene	<5.4		5.4	1.9	ug/Kg	☼		08/26/15 03:21	1
trans-1,2-Dichloroethene	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 03:21	1
trans-1,3-Dichloropropene	<5.4		5.4	1.5	ug/Kg	☼		08/26/15 03:21	1
1,1,1-Trichloroethane	<5.4		5.4	1.2	ug/Kg	☼		08/26/15 03:21	1
1,1,2-Trichloroethane	<5.4		5.4	1.0	ug/Kg	☼		08/26/15 03:21	1
Trichloroethene	<5.4		5.4	1.4	ug/Kg	☼		08/26/15 03:21	1
Vinyl chloride	<5.4		5.4	1.3	ug/Kg	☼		08/26/15 03:21	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*08/26/15 03:21*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*08/26/15 03:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 134*		*08/26/15 03:21*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/26/15 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	<180		180	38	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1

Client Sample ID: VL15-1(0-6)-081915
Date Collected: 08/19/15 11:23
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-13
Matrix: Solid
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	80	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2,4-Dinitrophenol	<710	*	710	620	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2-Methylphenol	<180		180	56	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
4,6-Dinitro-2-methylphenol	<350	*	350	280	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Anthracene	**8.3**	**J**	35	5.9	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Benzo[a]anthracene	**45**		35	4.7	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Benzo[a]pyrene	**54**		35	6.8	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Benzo[b]fluoranthene	**100**		35	7.6	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Benzo[k]fluoranthene	**51**		35	10	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Carbazole	<180		180	88	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Chrysene	**66**		35	9.6	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Dibenzofuran	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Fluoranthene	**82**		35	6.5	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Fluorene	<35		35	4.9	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Hexachloroethane	<180		180	53	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1

Client Sample ID: VL15-1(0-6)-081915
Date Collected: 08/19/15 11:23
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-13
Matrix: Solid
Percent Solids: 93.4

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	<35		35	9.1	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Isophorone	<180		180	39	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Naphthalene	<35		35	5.4	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Phenanthrene	**30**	**J**	35	4.9	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Phenol	<180		180	78	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1
Pyrene	**130**		35	7.0	ug/Kg	☼	08/25/15 17:33	08/29/15 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*35 - 137*	*08/25/15 17:33*	*08/29/15 21:53*	*1*
2-Fluorobiphenyl	*93*		*25 - 119*	*08/25/15 17:33*	*08/29/15 21:53*	*1*
2-Fluorophenol	*132*	*X*	*25 - 110*	*08/25/15 17:33*	*08/29/15 21:53*	*1*
Nitrobenzene-d5	*56*		*25 - 115*	*08/25/15 17:33*	*08/29/15 21:53*	*1*
Phenol-d5	*56*		*31 - 110*	*08/25/15 17:33*	*08/29/15 21:53*	*1*
Terphenyl-d14	*167*	*X*	*36 - 134*	*08/25/15 17:33*	*08/29/15 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		08/25/15 10:00	08/25/15 19:44	1
Barium	**0.22**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 19:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 19:44	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 19:44	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:42	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:44	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:44	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 13:42	1
Lead	**0.031**		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 19:44	1
Manganese	**0.54**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:42	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:44	1
Selenium	**0.021**	**J**	0.050	0.020	mg/L		08/25/15 10:00	08/25/15 19:44	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:44	1
Zinc	**0.21**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 13:42	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		08/25/15 11:00	08/25/15 22:11	1
Barium	**0.074**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 22:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 22:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 22:11	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:11	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:11	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:11	1
Iron	**0.31**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 22:11	1
Lead	**0.015**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 22:11	1
Manganese	**0.017**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:11	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:11	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 22:11	1

Client Sample ID: VL15-1(0-6)-081915
Date Collected: 08/19/15 11:23
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-13
Matrix: Solid
Percent Solids: 93.4

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		08/25/15 11:00	08/25/15 22:11	1
Zinc	**0.10**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 22:11	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	☼	08/21/15 11:00	08/21/15 21:51	1
Arsenic	**2.5**		0.53	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Barium	**8.7**		0.53	0.098	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Beryllium	**0.15**	**J**	0.21	0.046	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Cadmium	**0.15**		0.11	0.031	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Calcium	**16000**		11	3.4	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Chromium	**5.6**		0.53	0.092	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Cobalt	**1.5**		0.27	0.060	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Copper	**8.2**		0.53	0.12	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Iron	**3800**		11	4.1	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Lead	**32**	**B**	0.27	0.13	mg/Kg	☼	08/21/15 11:00	08/24/15 20:14	1
Magnesium	**10000**		5.3	2.2	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Manganese	**130**		0.53	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Nickel	**3.8**		0.53	0.14	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Potassium	**300**		27	4.4	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Sodium	**260**		53	7.0	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Vanadium	**8.0**		0.27	0.078	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	1
Zinc	**29**		1.1	0.34	mg/Kg	☼	08/21/15 11:00	08/21/15 21:51	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		08/25/15 18:00	08/26/15 14:04	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		08/25/15 18:00	08/26/15 16:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17**		16	5.7	ug/Kg	☼	08/25/15 16:30	08/26/15 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.86**		0.200	0.200	SU			08/24/15 15:38	1

Client Sample ID: VL15-2(0-6)-081915
Date Collected: 08/19/15 11:45
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-14
Matrix: Solid
Percent Solids: 93.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<21		21	4.1	ug/Kg	☼		08/26/15 03:46	1
Benzene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 03:46	1
Bromodichloromethane	<5.3		5.3	0.90	ug/Kg	☼		08/26/15 03:46	1
Bromoform	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 03:46	1
Bromomethane	<5.3		5.3	2.0	ug/Kg	☼		08/26/15 03:46	1
Carbon disulfide	<5.3		5.3	2.0	ug/Kg	☼		08/26/15 03:46	1
Carbon tetrachloride	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 03:46	1
Chlorobenzene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 03:46	1
Chloroethane	<5.3		5.3	2.2	ug/Kg	☼		08/26/15 03:46	1
Chloroform	<5.3		5.3	1.0	ug/Kg	☼		08/26/15 03:46	1
Chloromethane	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 03:46	1
cis-1,2-Dichloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 03:46	1
cis-1,3-Dichloropropene	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 03:46	1
Dibromochloromethane	<5.3		5.3	0.61	ug/Kg	☼		08/26/15 03:46	1
1,1-Dichloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 03:46	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/26/15 03:46	1
1,1-Dichloroethene	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 03:46	1
1,2-Dichloropropane	<5.3		5.3	1.4	ug/Kg	☼		08/26/15 03:46	1
1,3-Dichloropropene, Total	<5.3		5.3	1.5	ug/Kg	☼		08/26/15 03:46	1
Ethylbenzene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 03:46	1
2-Hexanone	<5.3		5.3	1.7	ug/Kg	☼		08/26/15 03:46	1
Methylene Chloride	<5.3		5.3	4.0	ug/Kg	☼		08/26/15 03:46	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 03:46	1
methyl isobutyl ketone	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 03:46	1
Methyl tert-butyl ether	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 03:46	1
Styrene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 03:46	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	0.85	ug/Kg	☼		08/26/15 03:46	1
Tetrachloroethene	<5.3		5.3	1.1	ug/Kg	☼		08/26/15 03:46	1
Toluene	<5.3		5.3	1.9	ug/Kg	☼		08/26/15 03:46	1
trans-1,2-Dichloroethene	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 03:46	1
trans-1,3-Dichloropropene	<5.3		5.3	1.5	ug/Kg	☼		08/26/15 03:46	1
1,1,1-Trichloroethane	<5.3		5.3	1.2	ug/Kg	☼		08/26/15 03:46	1
1,1,2-Trichloroethane	<5.3		5.3	1.0	ug/Kg	☼		08/26/15 03:46	1
Trichloroethene	<5.3		5.3	1.4	ug/Kg	☼		08/26/15 03:46	1
Vinyl chloride	<5.3		5.3	1.3	ug/Kg	☼		08/26/15 03:46	1
Xylenes, Total	<11		11	2.0	ug/Kg	☼		08/26/15 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*08/26/15 03:46*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*08/26/15 03:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*		*08/26/15 03:46*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/26/15 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	<170		170	36	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
1,2-Dichlorobenzene	<170		170	40	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
1,3-Dichlorobenzene	<170		170	38	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
1,4-Dichlorobenzene	<170		170	43	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1

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Lab Sample ID: 500-100116-14
Matrix: Solid
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<330		330	77	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2,4,6-Trichlorophenol	<330		330	120	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2,4-Dichlorophenol	<330		330	80	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2,4-Dimethylphenol	<330		330	130	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2,4-Dinitrophenol	<680	*	680	590	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2,6-Dinitrotoluene	<170		170	66	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2-Chloronaphthalene	<170		170	37	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2-Methylnaphthalene	<33		33	6.2	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2-Methylphenol	<170		170	54	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2-Nitroaniline	<170		170	45	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
2-Nitrophenol	<330		330	80	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
3 & 4 Methylphenol	<170		170	56	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
3,3'-Dichlorobenzidine	<170		170	47	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
3-Nitroaniline	<330		330	100	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
4,6-Dinitro-2-methylphenol	<330	*	330	270	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
4-Bromophenyl phenyl ether	<170		170	44	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
4-Chloro-3-methylphenol	<330		330	110	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
4-Chloroaniline	<680		680	160	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
4-Chlorophenyl phenyl ether	<170		170	39	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
4-Nitroaniline	<330		330	140	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
4-Nitrophenol	<680		680	320	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Acenaphthene	<33		33	6.1	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Acenaphthylene	<33		33	4.4	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Anthracene	**8.6**	**J**	33	5.6	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Benzo[a]anthracene	**40**		33	4.5	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Benzo[a]pyrene	**39**		33	6.5	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Benzo[b]fluoranthene	**84**		33	7.3	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Benzo[g,h,i]perylene	<33		33	11	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Benzo[k]fluoranthene	**26**	**J**	33	9.9	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Bis(2-chloroethoxy)methane	<170		170	34	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Bis(2-ethylhexyl) phthalate	<170		170	62	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Butyl benzyl phthalate	<170		170	64	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Carbazole	<170		170	84	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Chrysene	**52**		33	9.2	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Dibenz(a,h)anthracene	<33		33	6.5	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Dibenzofuran	<170		170	39	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Diethyl phthalate	<170		170	57	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Dimethyl phthalate	<170		170	44	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Di-n-butyl phthalate	<170		170	51	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Di-n-octyl phthalate	<170		170	55	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Fluoranthene	**80**		33	6.3	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Fluorene	<33		33	4.7	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Hexachlorobenzene	<68		68	7.8	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Hexachlorobutadiene	<170		170	53	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Hexachlorocyclopentadiene	<680		680	190	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Hexachloroethane	<170		170	51	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1

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Lab Sample ID: 500-100116-14
Matrix: Solid
Percent Solids: 93.5

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	<33		33	8.7	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Isophorone	<170		170	38	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Naphthalene	<33		33	5.2	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Nitrobenzene	<33		33	8.4	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
N-Nitrosodi-n-propylamine	<170		170	41	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Pentachlorophenol	<680		680	540	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Phenanthrene	**43**		33	4.7	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Phenol	<170		170	75	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1
Pyrene	**120**		33	6.7	ug/Kg	☼	08/25/15 17:33	08/29/15 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 137*	*08/25/15 17:33*	*08/29/15 22:17*	*1*
2-Fluorobiphenyl	*81*		*25 - 119*	*08/25/15 17:33*	*08/29/15 22:17*	*1*
2-Fluorophenol	*108*		*25 - 110*	*08/25/15 17:33*	*08/29/15 22:17*	*1*
Nitrobenzene-d5	*78*		*25 - 115*	*08/25/15 17:33*	*08/29/15 22:17*	*1*
Phenol-d5	*99*		*31 - 110*	*08/25/15 17:33*	*08/29/15 22:17*	*1*
Terphenyl-d14	*156*	*X*	*36 - 134*	*08/25/15 17:33*	*08/29/15 22:17*	*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		08/25/15 10:00	08/25/15 19:49	1
Barium	**0.16**	**J**	0.50	0.050	mg/L		08/25/15 10:00	08/25/15 19:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 19:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 19:49	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:47	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:49	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:49	1
Iron	<0.20		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 13:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 19:49	1
Manganese	**0.37**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:47	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:49	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 10:00	08/25/15 19:49	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:49	1
Zinc	**0.60**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 13:47	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		08/25/15 11:00	08/25/15 22:17	1
Barium	**0.059**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 22:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 22:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 22:17	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:17	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:17	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:17	1
Iron	**0.40**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 22:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 22:17	1
Manganese	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:17	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:17	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 22:17	1

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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		08/25/15 11:00	08/25/15 22:17	1
Zinc	**0.35**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 22:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Arsenic	**2.1**		0.51	0.24	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Barium	**7.2**		0.51	0.094	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Beryllium	**0.12**	**J**	0.21	0.044	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Cadmium	**0.11**		0.10	0.030	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Calcium	**20000**		10	3.3	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Chromium	**3.4**		0.51	0.088	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Cobalt	**1.2**		0.26	0.058	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Copper	**4.0**		0.51	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Iron	**3100**		10	4.0	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Lead	**6.5**	**B**	0.26	0.13	mg/Kg	☼	08/21/15 11:00	08/24/15 20:18	1
Magnesium	**13000**		5.1	2.1	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Manganese	**41**		0.51	0.10	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Nickel	**2.8**		0.51	0.14	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Potassium	**230**		26	4.2	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Selenium	<0.51		0.51	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Sodium	**450**		51	6.8	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Thallium	<0.51		0.51	0.25	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Vanadium	**6.3**		0.26	0.075	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	1
Zinc	**39**		1.0	0.32	mg/Kg	☼	08/21/15 11:00	08/21/15 21:58	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		08/25/15 18:00	08/26/15 14:06	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		08/25/15 18:00	08/26/15 16:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**13**	**J**	17	5.9	ug/Kg	☼	08/25/15 16:30	08/26/15 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.68**		0.200	0.200	SU			08/24/15 15:43	1

Client Sample ID: VL15-3(0-6)-081915
Date Collected: 08/19/15 12:05
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-15
Matrix: Solid
Percent Solids: 79.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**130**		25	4.9	ug/Kg	☼		08/26/15 04:10	1
Benzene	**3.2**	**J**	6.3	1.4	ug/Kg	☼		08/26/15 04:10	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		08/26/15 04:10	1
Bromoform	<6.3		6.3	1.3	ug/Kg	☼		08/26/15 04:10	1
Bromomethane	<6.3		6.3	2.3	ug/Kg	☼		08/26/15 04:10	1
Carbon disulfide	<6.3		6.3	2.3	ug/Kg	☼		08/26/15 04:10	1
Carbon tetrachloride	<6.3		6.3	1.3	ug/Kg	☼		08/26/15 04:10	1
Chlorobenzene	<6.3		6.3	1.5	ug/Kg	☼		08/26/15 04:10	1
Chloroethane	<6.3		6.3	2.6	ug/Kg	☼		08/26/15 04:10	1
Chloroform	<6.3		6.3	1.2	ug/Kg	☼		08/26/15 04:10	1
Chloromethane	<6.3		6.3	1.5	ug/Kg	☼		08/26/15 04:10	1
cis-1,2-Dichloroethene	<6.3		6.3	1.3	ug/Kg	☼		08/26/15 04:10	1
cis-1,3-Dichloropropene	<6.3		6.3	1.4	ug/Kg	☼		08/26/15 04:10	1
Dibromochloromethane	<6.3		6.3	0.72	ug/Kg	☼		08/26/15 04:10	1
1,1-Dichloroethane	<6.3		6.3	1.3	ug/Kg	☼		08/26/15 04:10	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		08/26/15 04:10	1
1,1-Dichloroethene	<6.3		6.3	2.3	ug/Kg	☼		08/26/15 04:10	1
1,2-Dichloropropane	<6.3		6.3	1.6	ug/Kg	☼		08/26/15 04:10	1
1,3-Dichloropropene, Total	<6.3		6.3	1.8	ug/Kg	☼		08/26/15 04:10	1
Ethylbenzene	<6.3		6.3	1.6	ug/Kg	☼		08/26/15 04:10	1
2-Hexanone	<6.3		6.3	1.9	ug/Kg	☼		08/26/15 04:10	1
Methylene Chloride	<6.3		6.3	4.7	ug/Kg	☼		08/26/15 04:10	1
Methyl Ethyl Ketone	**14**		6.3	2.2	ug/Kg	☼		08/26/15 04:10	1
methyl isobutyl ketone	<6.3		6.3	1.3	ug/Kg	☼		08/26/15 04:10	1
Methyl tert-butyl ether	<6.3		6.3	1.5	ug/Kg	☼		08/26/15 04:10	1
Styrene	<6.3		6.3	1.5	ug/Kg	☼		08/26/15 04:10	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.0	ug/Kg	☼		08/26/15 04:10	1
Tetrachloroethene	<6.3		6.3	1.3	ug/Kg	☼		08/26/15 04:10	1
Toluene	<6.3		6.3	2.2	ug/Kg	☼		08/26/15 04:10	1
trans-1,2-Dichloroethene	<6.3		6.3	1.6	ug/Kg	☼		08/26/15 04:10	1
trans-1,3-Dichloropropene	<6.3		6.3	1.8	ug/Kg	☼		08/26/15 04:10	1
1,1,1-Trichloroethane	<6.3		6.3	1.5	ug/Kg	☼		08/26/15 04:10	1
1,1,2-Trichloroethane	<6.3		6.3	1.2	ug/Kg	☼		08/26/15 04:10	1
Trichloroethene	<6.3		6.3	1.7	ug/Kg	☼		08/26/15 04:10	1
Vinyl chloride	<6.3		6.3	1.5	ug/Kg	☼		08/26/15 04:10	1
Xylenes, Total	<13		13	2.3	ug/Kg	☼		08/26/15 04:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 122*		*08/26/15 04:10*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/26/15 04:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 134*		*08/26/15 04:10*	*1*
Toluene-d8 (Surr)	*90*		*75 - 122*		*08/26/15 04:10*	*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	43	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1

Client Sample ID: VL15-3(0-6)-081915
Date Collected: 08/19/15 12:05
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-15
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2,4-Dinitrophenol	<800	*	800	690	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2-Methylphenol	<200		200	63	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
4,6-Dinitro-2-methylphenol	<390	*	390	320	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Anthracene	<39		39	6.6	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Benzo[a]anthracene	**9.2**	**J**	39	5.3	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Carbazole	<200		200	99	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Chrysene	**19**	**J**	39	11	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Dibenzofuran	<200		200	46	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Fluoranthene	**17**	**J**	39	7.3	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Fluorene	<39		39	5.5	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Hexachlorobenzene	<80		80	9.1	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Hexachloroethane	<200		200	60	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1

Client Sample ID: VL15-3(0-6)-081915
Date Collected: 08/19/15 12:05
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-15
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Isophorone	<200		200	44	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Naphthalene	<39		39	6.1	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Phenanthrene	**10**	**J**	39	5.5	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Phenol	<200		200	88	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1
Pyrene	**32**	**J**	39	7.8	ug/Kg	☼	08/25/15 17:33	08/29/15 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*35 - 137*	*08/25/15 17:33*	*08/29/15 22:42*	*1*
2-Fluorobiphenyl	*87*		*25 - 119*	*08/25/15 17:33*	*08/29/15 22:42*	*1*
2-Fluorophenol	*94*		*25 - 110*	*08/25/15 17:33*	*08/29/15 22:42*	*1*
Nitrobenzene-d5	*64*		*25 - 115*	*08/25/15 17:33*	*08/29/15 22:42*	*1*
Phenol-d5	*97*		*31 - 110*	*08/25/15 17:33*	*08/29/15 22:42*	*1*
Terphenyl-d14	*193*	*X*	*36 - 134*	*08/25/15 17:33*	*08/29/15 22:42*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.011**	**J**	0.050	0.010	mg/L		08/25/15 10:00	08/25/15 19:54	1
Barium	**0.74**		0.50	0.050	mg/L		08/25/15 10:00	08/25/15 19:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 10:00	08/25/15 19:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 10:00	08/25/15 19:54	1
Chromium	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:52	1
Cobalt	**0.013**	**J**	0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:54	1
Copper	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:54	1
Iron	**0.56**		0.20	0.20	mg/L		08/25/15 10:00	08/26/15 13:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/15 10:00	08/25/15 19:54	1
Manganese	**5.2**		0.025	0.010	mg/L		08/25/15 10:00	08/26/15 13:52	1
Nickel	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:54	1
Selenium	**0.021**	**J**	0.050	0.020	mg/L		08/25/15 10:00	08/25/15 19:54	1
Silver	<0.025		0.025	0.010	mg/L		08/25/15 10:00	08/25/15 19:54	1
Zinc	**0.26**		0.10	0.020	mg/L		08/25/15 10:00	08/26/15 13:52	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		08/25/15 11:00	08/25/15 22:24	1
Barium	**0.16**	**J**	0.50	0.050	mg/L		08/25/15 11:00	08/25/15 22:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/25/15 11:00	08/25/15 22:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/25/15 11:00	08/25/15 22:24	1
Chromium	**0.023**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:24	1
Cobalt	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:24	1
Copper	**0.019**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:24	1
Iron	**13**		0.20	0.20	mg/L		08/25/15 11:00	08/25/15 22:24	1
Lead	**0.015**		0.0075	0.0075	mg/L		08/25/15 11:00	08/25/15 22:24	1
Manganese	**0.12**		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:24	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:24	1
Selenium	<0.050		0.050	0.020	mg/L		08/25/15 11:00	08/25/15 22:24	1

Client Sample ID: VL15-3(0-6)-081915
Date Collected: 08/19/15 12:05
Date Received: 08/19/15 16:30

Lab Sample ID: 500-100116-15
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		08/25/15 11:00	08/25/15 22:24	1
Zinc	**0.11**		0.10	0.020	mg/L		08/25/15 11:00	08/25/15 22:24	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	☼	08/21/15 11:00	08/21/15 22:05	1
Arsenic	**5.6**		0.59	0.27	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Barium	**70**		0.59	0.11	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Beryllium	**0.65**		0.23	0.051	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Cadmium	**0.58**		0.12	0.034	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Calcium	**25000**		12	3.8	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Chromium	**18**		0.59	0.10	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Cobalt	**9.2**		0.29	0.066	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Copper	**20**		0.59	0.13	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Iron	**18000**		12	4.5	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Lead	**26**	**B**	0.29	0.15	mg/Kg	☼	08/21/15 11:00	08/24/15 20:23	1
Magnesium	**14000**		5.9	2.4	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Manganese	**370**		0.59	0.12	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Nickel	**18**		0.59	0.16	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Potassium	**2000**		29	4.8	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Sodium	**150**		59	7.7	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Thallium	**0.68**		0.59	0.29	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Vanadium	**24**		0.29	0.086	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	1
Zinc	**75**		1.2	0.37	mg/Kg	☼	08/21/15 11:00	08/21/15 22:05	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		08/25/15 18:00	08/26/15 14:08	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		08/25/15 18:00	08/26/15 16:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**36**		21	7.2	ug/Kg	☼	08/25/15 16:30	08/26/15 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.22**		0.200	0.200	SU			08/24/15 15:47	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.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

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

Metals

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

Glossary

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lansing - WO 026

TestAmerica Job ID: 500-100116-1

Laboratory: TestAmerica Chicago

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

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

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL
2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-100116 COC

Chain of Custody Record

Lab Job #: 500-100116

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.4, 2.9

Report To (optional)	Bill To (optional)
Contact: S. Babusukumar	Contact: SAME
Company: Weston Solutions Inc.	Company:
Address: 300 Plaza Circle, Ste. 202	Address:
Address: Hundelein, IL 60060	Address:
Phone: 224-864-7250	Phone:
Fax: 224-864-7230	Fax:
E-Mail: S.Babusukumar@westonsolutions.com	PO#/Reference#

Client	Client Project #
Weston Solutions Inc.	02056.014.026.0030
Project Name	
IDOT 026-Thornton-Lansing Road	
Project Location/State	Lab Project #
Lansing, IL	
Sampler	Lab PM
M. Doheny-Skubic	D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	PH	Comments
1		WC-3(0-6)-081915	8-19-15	0820	2	S		X	X	X	X	X	
2		WC-4(0-6)-081915		0835									
3		WC-5(0-6)-081915		0847									
4		WC-6(0-6)-081915		0910									
5		WC-6(6-8)-081915		0913	2	S		X	X	X	X	X	
6		WC-6-081915	8-19-15	0920	5	W		X	X	X			
7		TRIPBLANK2	—	—	2	W		X					
8		WC-7(0-6)-081915	8-19-15	0955	2	S		X	X	X	X	X	
9		WC-7(0-6)-081915D	8-19-15	0955	2	S		X	X	X	X	X	
10		WC-8(0-6)-081915	8-19-15	1010	2	S		X	X	X	X	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	8-19-15	1547	[illegible]	TA	8/19/15	1547
[illegible]	TA	8/19/15	1630	[illegible]	TA-CHI	8/20/15	0710
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments

Lab Comments:

TAL-4124-500 (1209)
8/31/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: S. Babusukumar
Company: Weston Solutions Inc
Address: 300 Plaza Circle, Ste. 202
Address: W Hundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7234
E-Mail: S.BabuSukumar@westonsolutions.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-100116
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Weston Solutions
Client Project #: 02056.014.026.0030
Project Name: IDOT 026 - Thornton-Lansing Rd
Project Location/State: Lansing, IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: Drk Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Comments
11		WC-9(0-6)-081915	8-19-15	1032	2	S		X	X	X	X	X	
12		WC-10(0-6)-081915		1050									
13		VL15-1(0-6)-081915		1123									
14		VL15-2(0-6)-081915		1145									
15		VL15-3(0-6)-081915		1205									
16		MM-1(0-6)-081915		1227									
17		MM-2(0-6)-081915		1242									
18		MM-3(0-6)-081915		1253									
19		MM-4(0-6)-081915		1310									
20		MM-4(0-6)-081915D	8-19-15	1310	2	S		X	X	X	X	X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days (7 Days) ___ 10 Days ___ 15 Days ~~Standard~~ 5 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
[illegible]	Weston	8-19-15	1547	J. Neal	TA	8/19/15	1547
J. Neal	TA	8/19/15	1630	[illegible]	TA-CHI	8/20/15	0710

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 (1209)

8/31/2015