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 3887- IL 31 at Miller Rd WO#021A Office Phone Number, if available: _____

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

IL 31 (Northbound) STA 489+20 to 495+80, 497+30 to 498+80, 500+80 to 502+80, 504+90 to 506+50 (ISGS Site 2282V-1)

City: Carpentersville State: IL Zip Code: 60110

County: Kane Township: Dundee

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

Latitude: 42.12769 (Decimal Degrees) Longitude: -88.30094 (-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 Phone: 847-705-4101	Zip Code:	60196 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 3887- IL 31 at Miller Rd WO#021A

Latitude: 42.12769 Longitude: -88.30094

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)]:

Soil from borings B01, B02, B03, B05, B07 and B09 were sampled adjacent to ISGS Site No 2282V-1. See Exhibits 2, 2A and Table 1 of the Preliminary Site Investigation Report prepared by Terracon dated October 7, 2016.

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

TestAmerica Lab Report No J115739-2.
Also see Preliminary Site Investigation Report prepared by Terracon dated October 7, 2016. CCDD/USFO facility in MSA County or Chicago (B01, B02, B03, B07 and B09). CCDD/USFO facility in MSA County excluding Chicago (B05).

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

I, Matt Weiss (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: Terracon Consultants, Inc

Street Address: 135 Ambassador Drive

City: Naperville State: IL Zip Code: 60540

Phone: 630-717-4263

Matt Weiss
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

10/7/16
Date:

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

LICENSED PROFESSIONAL GEOLOGIST
Expires 3/31/17
MATTHEW D WEISS
196-001316
ILLINOIS

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-1)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-1-B01 (0-3)	2282V-1-B02 (0-3)	2282V-1-B03 (0-3)	2282V-1-B05 (0-3)	2282V-1-B05 (0-3) Dup	2282V-1-B07 (0-3)	2282V-1-B09 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)	(0-3)	(0-3)	(0-3)	(0-3)	(0-3)
				mg/kg	Date Collected	08/15/2016	08/15/2016	08/15/2016	08/15/2016	08/15/2016	08/15/2016	08/15/2016
		Chicago	MSAs	pH 6.25-9.0								
Semivolatile Organic Analytical Parameters												
Acenaphthene	mg/kg	0.09	0.13	570		<0.037	<0.036	<0.038	<0.036	0.081	<0.036	<0.039
Anthracene	mg/kg	0.25	0.4	12000		<0.037	<0.036	<0.038	0.0085	0.14	0.012	<0.039
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.015	0.076	0.014	0.064	0.76	0.089	0.016
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.019	0.088	0.016	0.089	0.89	0.12	0.017
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.031	0.16	0.023	0.15	1.6	0.17	0.027
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.037	0.055	0.015	0.052	0.51	0.091	0.016
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.037	0.039	<0.038	0.052	0.6	<0.036	<0.039
Chrysene	mg/kg	1.2	2.7	88		0.022	0.091	0.019	0.098	1	0.12	0.017
Dibenzo(a,h)anthracene	mg/kg	0.2	0.42	0.09		<0.037	<0.036	<0.038	<0.036	0.13	<0.036	<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		0.032	0.15	0.03	0.15	2.3	0.19	0.026
Fluorene	mg/kg	0.1	0.18	560		<0.037	<0.036	<0.038	<0.036	0.1	<0.036	<0.039
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		0.012	0.052	0.011	0.058	0.55	0.089	0.016
Phenanthrene	mg/kg	1.3	2.5	210		0.013	0.067	0.017	0.049	1.6	0.07	0.0071
Pyrene	mg/kg	1.9	3.0	2300		0.028	0.2	0.026	0.13	2.1	0.27	0.023
Carbazole	mg/kg	---	---	0.6		<0.19	<0.18	<0.19	<0.18	0.29	<0.18	<0.20
Dibenzofuran	mg/kg	---	---	---		<0.19	<0.18	<0.19	<0.18	0.061	<0.18	<0.20
Inorganic Analytical Parameters												
Arsenic	mg/kg	---	13	11.3		2.7	4.9	2.9	3.3	5.9	4.3	6.6
Barium	mg/kg	---	110	1500		71	58	54	53	53	48	95
Cadmium	mg/kg	---	0.6	5.2		0.21	0.44	0.25	0.37	0.5	0.37	0.2
Chromium, total	mg/kg	---	16.2	21		8	11	7.7	13	21	11	16
Lead	mg/kg	---	36	107		27	110	20	60	110	49	33
Mercury	mg/kg	---	0.06	0.1		0.028	0.045	0.038	0.041	0.029	0.026	0.043
Selenium	mg/kg	---	0.48	1.3		<0.58	<0.51	<0.47	0.36	0.28	0.31	0.53
Silver	mg/kg	---	0.55	4.4		<0.29	<0.26	<0.23	<0.25	<0.26	<0.28	<0.29
Antimony	mg/kg	---	4.0	5		<1.2	0.35	0.27	0.28	0.28	0.35	<1.1
Beryllium	mg/kg	---	0.59	22		0.28	0.35	0.29	0.33	0.31	0.28	0.55
Calcium	mg/kg	---	9,300	---		4500	25000	17000	42000	48000	69000	6400
Cobalt	mg/kg	---	8.9	20		5.4	7	4.9	5.4	5.6	5.3	8.4
Copper	mg/kg	---	19.6	2900		9.5	20	12	19	31	15	16
Cyanide	mg/kg	---	0.51	---		<0.58	<0.55	<0.59	<0.50	<0.54	<0.53	<0.57
Iron	mg/kg	---	15,900	15000		8200	11000	8700	11000	21000	9700	17000
Magnesium	mg/kg	---	4,820	325000		3200	16000	11000	19000	21000	32000	5100
Manganese	mg/kg	---	636	630		490	510	530	430	580	440	440
Nickel	mg/kg	---	18	100		9.5	12	9.4	10	17	10	17
Potassium	mg/kg	---	1,268	---		520	690	530	560	550	650	910
Sodium	mg/kg	---	130	---		1900	2400	1000	2100	1900	700	2200
Thallium	mg/kg	---	0.32	2.6		<0.58	<0.51	<0.47	<0.50	<0.53	<0.55	<0.57
Vanadium	mg/kg	---	25.2	550		14	17	13	15	16	14	28
Zinc	mg/kg	---	95	5100		40	71	41	67	100	61	65
pH			6.25	9		7.5	8.7	8.5	8.5	8.5	8.6	7.8

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-1)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-1-B01 (0-3)	2282V-1-B02 (0-3)	2282V-1-B03 (0-3)	2282V-1-B05 (0-3)	2282V-1-B05 (0-3) Dup	2282V-1-B07 (0-3)	2282V-1-B09 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)	(0-3)	(0-3)	(0-3)	(0-3)	(0-3)
				mg/kg	Date Collected	08/15/2016	08/15/2016	08/15/2016	08/15/2016	08/15/2016	08/15/2016	08/15/2016
		Chicago	MSAs	pH 6.25-9.0								
Inorganic Analytical Parameters (SPLP)												
Antimony,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Arsenic,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Barium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Beryllium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Cadmium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Calcium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Chromium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Cobalt,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Copper,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Iron,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Lead,SPLP	mg/L	---	---	---		0.19	--	--	--	--	--	--
Magnesium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Manganese,SPLP	mg/L	---	---	---		2.3	--	1.8	1.7	1.3	0.93	2.5
Mercury,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Nickel,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Potassium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Selenium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Silver,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Sodium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Thallium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Vanadium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Zinc,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Cyanide,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--
Inorganic Analytical Parameters (TCLP)												
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.66	0.39	0.46	0.42	0.39	0.48	0.65
Cadmium,TCLP	mg/L	---	---	---		<0.0050	0.0022	<0.0050	<0.0050	0.0023	<0.0050	<0.0050
Chromium,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Lead,TCLP	mg/L	---	---	---		0.015	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
Mercury,TCLP	mg/L	---	---	---		<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Selenium,TCLP	mg/L	---	---	---		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Silver,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Antimony,TCLP	mg/L	---	---	---		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Beryllium,TCLP	mg/L	---	---	---		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Calcium,TCLP	mg/L	---	---	---		120	380	260	310	370	340	200
Cobalt,TCLP	mg/L	---	---	---		0.012	<0.025	<0.025	<0.025	<0.025	<0.025	0.017
Copper,TCLP	mg/L	---	---	---		0.014	<0.025	0.014	0.023	<0.025	<0.025	0.011
Cyanide,TCLP	mg/L	---	---	---		----	----	----	----	----	----	----
Iron,TCLP	mg/L	---	---	---		<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Magnesium,TCLP	mg/L	---	---	---		64	120	140	130	130	140	93
Manganese,TCLP	mg/L	---	---	---		9.1	0.068	0.69	0.82	1.1	0.78	4.4
Nickel,TCLP	mg/L	---	---	---		0.013	<0.025	<0.025	<0.025	<0.025	<0.025	0.013
Potassium,TCLP	mg/L	---	---	---		2.3	2.4	1.3	1.1	1.5	1.9	3
Sodium,TCLP	mg/L	---	---	---		----	----	----	----	----	----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.15	0.18	0.064	0.089	0.14	0.32	0.11

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: 500-115739-2
Client Project/Site: IDOT - Carpentersville - WO 21

For:
Terracon Consulting Eng & Scientists
135 Ambassador Drive
Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

Jodie Bracken

Authorized for release by:
8/25/2016 4:20:50 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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

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Job ID: 500-115739-2

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-115739-2

Comments
No additional comments.

Receipt
The samples were received on 8/16/2016 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.7º C, 3.0º C and 3.4º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 625, 8270D: One base surrogate failed to meet control limits for sample 2282V-1-B04 (0-5) (500-115739-9. Our SOP allows for one base surrogate to fail control limits. The data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010B: The laboratory blank (LB) for preparation batch 348122 contained Copper above the reporting limit (RL). The samples 2282V-1-B01 (0-3) (500-115739-6), 2282V-1-B08 (0-3) (500-115739-15) and 2282V-1-B09 (0-3) (500-115739-16) associated with this LB did not contain the target compound; therefore, re-extraction and/or re-analysis of the samples were not performed.

Method(s) 6010B: The laboratory blank (LB) for preparation batch 3481225 contained Copper and Lead above the reporting limit (RL). The samples 2282V-1-B03 (0-3) (500-115739-8), 2282V-1-B04 (5-10) (500-115739-10), 2282V-1-B05 (0-3) (500-115739-11) and 2282V-1-B06 (0-3) (500-115739-13) associated with this LB did not contain the target compound; therefore, re-extraction and/or re-analysis of the samples were not performed.

Method(s) 6010B: The method blank for 348122 contained Lead above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-2

Client Sample ID: 2282V-1-B01 (0-3) — Lab Sample ID: 500-115739-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.015	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.019	J	0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.031	J	0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.022	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.032	J	0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.012	J	0.037	0.0096	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.013	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.028	J	0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Arsenic	2.7		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	71		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.28		0.23	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.0		0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.4		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	9.5		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	8200	B	12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	27		0.29	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	3200	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	4500	B	12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	490		0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	9.5		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	40		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	520		29	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	1900	B	58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.66		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	120		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.014	J B	0.025	0.010	mg/L	1		6010B	TCLP
Lead	0.015		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	64		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	9.1		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.013	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.3	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.15	J B	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.19		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	2.3		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.028		0.019	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	7.5		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-1-B02 (0-3) — Lab Sample ID: 500-115739-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.076		0.036	0.0049	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.088		0.036	0.0071	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.16		0.036	0.0079	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.055		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.039		0.036	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.091		0.036	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.15		0.036	0.0068	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: 2282V-1-B02 (0-3) (Continued) — Lab Sample ID: 500-115739-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	0.052		0.036	0.0095	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.067		0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.20		0.036	0.0073	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.35	J	1.0	0.21	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.9		0.51	0.24	mg/Kg	1	☼	6010B	Total/NA
Barium	58		0.51	0.093	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.35		0.20	0.044	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.44		0.10	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	11		0.51	0.088	mg/Kg	1	☼	6010B	Total/NA
Cobalt	7.0		0.26	0.058	mg/Kg	1	☼	6010B	Total/NA
Copper	20		0.51	0.11	mg/Kg	1	☼	6010B	Total/NA
Iron	11000	B	10	3.9	mg/Kg	1	☼	6010B	Total/NA
Lead	110		0.26	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	16000	B	5.1	2.1	mg/Kg	1	☼	6010B	Total/NA
Calcium	25000	B	10	3.3	mg/Kg	1	☼	6010B	Total/NA
Manganese	510		0.51	0.10	mg/Kg	1	☼	6010B	Total/NA
Nickel	12		0.51	0.14	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.26	0.075	mg/Kg	1	☼	6010B	Total/NA
Zinc	71		1.0	0.32	mg/Kg	1	☼	6010B	Total/NA
Potassium	690		26	4.2	mg/Kg	1	☼	6010B	Total/NA
Sodium	2400	B	51	6.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.39	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0022	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	380		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	120		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.068		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.4	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.18	J B	0.50	0.020	mg/L	1		6010B	TCLP
Mercury	0.045		0.017	0.0089	mg/Kg	1	☼	7471B	Total/NA
pH	8.7		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-1-B03 (0-3) — Lab Sample ID: 500-115739-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.014	J	0.038	0.0051	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.016	J	0.038	0.0074	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.023	J	0.038	0.0083	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.015	J	0.038	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.019	J	0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.030	J	0.038	0.0071	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.011	J	0.038	0.0099	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.017	J	0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.026	J	0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.27	J	0.94	0.19	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.9		0.47	0.22	mg/Kg	1	☼	6010B	Total/NA
Barium	54		0.47	0.086	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.29		0.19	0.041	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.25		0.094	0.027	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.7		0.47	0.081	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.9		0.23	0.053	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-1-B03 (0-3) (Continued) — Lab Sample ID: 500-115739-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	12		0.47	0.10	mg/Kg	1	☼	6010B	Total/NA
Iron	8700	B	9.4	3.6	mg/Kg	1	☼	6010B	Total/NA
Lead	20		0.23	0.12	mg/Kg	1	☼	6010B	Total/NA
Magnesium	11000	B	4.7	1.9	mg/Kg	1	☼	6010B	Total/NA
Calcium	17000	B	9.4	3.0	mg/Kg	1	☼	6010B	Total/NA
Manganese	530		0.47	0.093	mg/Kg	1	☼	6010B	Total/NA
Nickel	9.4		0.47	0.13	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.23	0.068	mg/Kg	1	☼	6010B	Total/NA
Zinc	41		0.94	0.30	mg/Kg	1	☼	6010B	Total/NA
Potassium	530		23	3.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	1000	B	47	6.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.46	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	260		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.014	J B	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	140		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.69		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.3	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.064	J B	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.8		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.038		0.018	0.0096	mg/Kg	1	☼	7471B	Total/NA
pH	8.5		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-1-B04 (0-5) — Lab Sample ID: 500-115739-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	0.053		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.050		0.036	0.0072	mg/Kg	1	☼	8270D	Total/NA
Arsenic	2.4		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	48		0.54	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.24		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.19		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.7		0.54	0.094	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.6		0.27	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	7.2		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	7200	B	11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	11		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	19000	B	5.4	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	44000	B	110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	450		0.54	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	8.0		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.27	J	0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.27	0.079	mg/Kg	1	☼	6010B	Total/NA
Zinc	27		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	540		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	1300	B	54	7.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	350		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	120		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.84		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.1	J	2.5	0.50	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-1-B04 (0-5) (Continued) — Lab Sample ID: 500-115739-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.099	J B	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.5		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.026		0.017	0.0089	mg/Kg	1	☼	7471B	Total/NA
pH	9.3		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-1-B04 (5-10) — Lab Sample ID: 500-115739-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.7		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	53		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.22		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.27		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.0		0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.7		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	6.4		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	10000	B	11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	4.4		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	7400	B	5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	11000	B	11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	820		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	17		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.35	J	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Silver	0.075	J	0.28	0.065	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	21		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	480		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	1200	B	56	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.44	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	300		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	170		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.14		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.4	J	2.5	0.50	mg/L	1		6010B	TCLP
pH	8.0		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-1-B05 (0-3) — Lab Sample ID: 500-115739-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.0085	J	0.036	0.0060	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.064		0.036	0.0049	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.089		0.036	0.0070	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.15		0.036	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.052		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.052		0.036	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.098		0.036	0.0098	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.15		0.036	0.0067	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.058		0.036	0.0093	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.049		0.036	0.0050	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.13		0.036	0.0072	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.28	J	1.0	0.21	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.3		0.50	0.23	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-1-B05 (0-3) (Continued) — Lab Sample ID: 500-115739-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	53		0.50	0.091	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.33		0.20	0.043	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.37		0.10	0.029	mg/Kg	1	☼	6010B	Total/NA
Chromium	13		0.50	0.086	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.4		0.25	0.056	mg/Kg	1	☼	6010B	Total/NA
Copper	19		0.50	0.11	mg/Kg	1	☼	6010B	Total/NA
Iron	11000	B	10	3.8	mg/Kg	1	☼	6010B	Total/NA
Lead	60		0.25	0.12	mg/Kg	1	☼	6010B	Total/NA
Magnesium	19000	B	5.0	2.0	mg/Kg	1	☼	6010B	Total/NA
Calcium	42000	B	100	32	mg/Kg	10	☼	6010B	Total/NA
Manganese	430		0.50	0.099	mg/Kg	1	☼	6010B	Total/NA
Nickel	10		0.50	0.14	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.36	J	0.50	0.25	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.25	0.073	mg/Kg	1	☼	6010B	Total/NA
Zinc	67		1.0	0.32	mg/Kg	1	☼	6010B	Total/NA
Potassium	560		25	4.1	mg/Kg	1	☼	6010B	Total/NA
Sodium	2100	B	50	6.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.42	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	310		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.023	J B	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	130		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.82		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.1	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.089	J B	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.7		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.041		0.016	0.0086	mg/Kg	1	☼	7471B	Total/NA
pH	8.5		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-1-B05 (0-3) Dup — Lab Sample ID: 500-115739-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.081		0.036	0.0064	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.14		0.036	0.0060	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.76		0.036	0.0048	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.89		0.036	0.0069	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	1.6		0.036	0.0077	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.51		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.60		0.036	0.011	mg/Kg	1	☼	8270D	Total/NA
Carbazole	0.29		0.18	0.090	mg/Kg	1	☼	8270D	Total/NA
Chrysene	1.0		0.036	0.0098	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.13		0.036	0.0069	mg/Kg	1	☼	8270D	Total/NA
Dibenzofuran	0.061	J	0.18	0.042	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	2.3		0.036	0.0066	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.10		0.036	0.0050	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.55		0.036	0.0093	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	1.6		0.036	0.0050	mg/Kg	1	☼	8270D	Total/NA
Pyrene - DL	2.1		0.071	0.014	mg/Kg	2	☼	8270D	Total/NA
Antimony	0.28	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.9		0.53	0.24	mg/Kg	1	☼	6010B	Total/NA
Barium	53		0.53	0.096	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-1-B05 (0-3) Dup (Continued) — Lab Sample ID: 500-115739-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.31		0.21	0.046	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.50		0.11	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	21		0.53	0.090	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.6		0.26	0.059	mg/Kg	1	☼	6010B	Total/NA
Copper	31		0.53	0.11	mg/Kg	1	☼	6010B	Total/NA
Iron	21000	B	11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	110		0.26	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	21000	B	5.3	2.1	mg/Kg	1	☼	6010B	Total/NA
Calcium	48000	B	110	34	mg/Kg	10	☼	6010B	Total/NA
Manganese	580		0.53	0.10	mg/Kg	1	☼	6010B	Total/NA
Nickel	17		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.28	J	0.53	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.26	0.077	mg/Kg	1	☼	6010B	Total/NA
Zinc	100		1.1	0.33	mg/Kg	1	☼	6010B	Total/NA
Potassium	550		26	4.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	1900	B	53	6.9	mg/Kg	1	☼	6010B	Total/NA
Barium	0.39	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0023	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	370		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	130		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.1		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.5	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.14	J B	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.3		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.029		0.017	0.0092	mg/Kg	1	☼	7471B	Total/NA
pH	8.5		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-1-B06 (0-3) — Lab Sample ID: 500-115739-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.036	J	0.040	0.0054	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.041		0.040	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.060		0.040	0.0087	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.024	J	0.040	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.023	J	0.040	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.045		0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.077		0.040	0.0075	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.024	J	0.040	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.021	J	0.040	0.0056	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.064		0.040	0.0080	mg/Kg	1	☼	8270D	Total/NA
Arsenic	3.9		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	84		0.60	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.45		0.24	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.36		0.12	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	20		0.60	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.6		0.30	0.068	mg/Kg	1	☼	6010B	Total/NA
Copper	18		0.60	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	12000	B	12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	76		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	9400	B	6.0	2.4	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-1-B06 (0-3) (Continued) — Lab Sample ID: 500-115739-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	17000	B	12	3.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	670		0.60	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	13		0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.61		0.60	0.30	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.30	0.088	mg/Kg	1	☼	6010B	Total/NA
Zinc	73		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	960		30	4.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	1500	B	60	7.9	mg/Kg	1	☼	6010B	Total/NA
Barium	0.54		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	210		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.025		0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	84		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	12		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.3		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.054	J B	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.7		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.031		0.020	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	7.8		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-1-B07 (0-3) — Lab Sample ID: 500-115739-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.012	J	0.036	0.0061	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.089		0.036	0.0049	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.12		0.036	0.0071	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.17		0.036	0.0079	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.091		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.12		0.036	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.19		0.036	0.0068	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.089		0.036	0.0095	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.070		0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.27		0.036	0.0073	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.35	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.3		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	48		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.28		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.37		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	11		0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.3		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	15		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	9700	B	11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	49		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	32000	B	5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	69000	B	110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	440		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	10		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.31	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.28	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	61		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-1-B07 (0-3) (Continued) — Lab Sample ID: 500-115739-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	650		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	700	B	55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.48	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	340		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	140		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.78		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.9	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.32	J B	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.93		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.026		0.019	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-1-B08 (0-3) — Lab Sample ID: 500-115739-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.021		0.016	0.0031	mg/Kg	1	☼	8260B	Total/NA
Acenaphthylene	0.0070	J	0.037	0.0049	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.022	J	0.037	0.0062	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.11		0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.14		0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.25		0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.12		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.16		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.026	J	0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.23		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0068	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.11		0.037	0.0096	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.018	J	0.075	0.0068	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.0078	J	0.037	0.0057	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.12		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.39		0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.41	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.8		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	47		0.54	0.098	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.32		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.55		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	16		0.54	0.092	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.1		0.27	0.061	mg/Kg	1	☼	6010B	Total/NA
Copper	20		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	11000	B	11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	200		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000	B	5.4	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	53000	B	110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	400		0.54	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	12		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.27	0.078	mg/Kg	1	☼	6010B	Total/NA
Zinc	93		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	560		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	1500	B	54	7.1	mg/Kg	1	☼	6010B	Total/NA
Barium	0.62		0.50	0.050	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-1-B08 (0-3) (Continued)

Lab Sample ID: 500-115739-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.0060		0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	250		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.044		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.021	J B	0.025	0.010	mg/L	1		6010B	TCLP
Lead	0.12	B	0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	8.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.036		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.7		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.37	J B	0.50	0.020	mg/L	1		6010B	TCLP
Cadmium	0.0029	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Lead	0.99		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.3		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.052		0.018	0.0093	mg/Kg	1	☼	7471B	Total/NA
pH	8.3		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-1-B09 (0-3)

Lab Sample ID: 500-115739-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.016	J	0.039	0.0052	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.017	J	0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.027	J	0.039	0.0084	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.016	J	0.039	0.013	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.017	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.026	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.016	J	0.039	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0071	J	0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.023	J	0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Arsenic	6.6		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	95		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.55		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.20		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16		0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.4		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	16		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000	B	11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	33		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	5100	B	5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	6400	B	11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	440		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	17		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.53	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	28		0.29	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	65		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	910		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	2200	B	57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.65		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	200		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.011	J B	0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-2

Client Sample ID: 2282V-1-B09 (0-3) (Continued)

Lab Sample ID: 500-115739-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	93		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	4.4		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.013	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.0	F1	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.11	J B	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	2.5		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.043		0.019	0.0099	mg/Kg	1	☼	7471B	Total/NA
pH	7.8		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-115739-6	2282V-1-B01 (0-3)	Solid	08/15/16 10:45	08/16/16 10:25
500-115739-7	2282V-1-B02 (0-3)	Solid	08/15/16 10:55	08/16/16 10:25
500-115739-8	2282V-1-B03 (0-3)	Solid	08/15/16 11:05	08/16/16 10:25
500-115739-9	2282V-1-B04 (0-5)	Solid	08/15/16 11:15	08/16/16 10:25
500-115739-10	2282V-1-B04 (5-10)	Solid	08/15/16 11:20	08/16/16 10:25
500-115739-11	2282V-1-B05 (0-3)	Solid	08/15/16 12:00	08/16/16 10:25
500-115739-12	2282V-1-B05 (0-3) Dup	Solid	08/15/16 12:05	08/16/16 10:25
500-115739-13	2282V-1-B06 (0-3)	Solid	08/15/16 12:20	08/16/16 10:25
500-115739-14	2282V-1-B07 (0-3)	Solid	08/15/16 12:35	08/16/16 10:25
500-115739-15	2282V-1-B08 (0-3)	Solid	08/15/16 12:45	08/16/16 10:25
500-115739-16	2282V-1-B09 (0-3)	Solid	08/15/16 13:00	08/16/16 10:25

Client Sample ID: 2282V-1-B01 (0-3)
Date Collected: 08/15/16 10:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-6
Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0032	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Benzene	<0.0041		0.0041	0.00090	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Bromoform	<0.0041		0.0041	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
2-Butanone (MEK)	<0.0041		0.0041	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Carbon tetrachloride	<0.0041		0.0041	0.00087	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Chlorobenzene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Chloroform	<0.0041		0.0041	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Chloromethane	<0.0041		0.0041	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
1,1-Dichloroethane	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
1,2-Dichloroethane	<0.0041		0.0041	0.00060	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Styrene	<0.0041		0.0041	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
1,1,2,2-Tetrachloroethane	<0.0041		0.0041	0.00065	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Tetrachloroethene	<0.0041		0.0041	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Vinyl chloride	<0.0041		0.0041	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1
Xylenes, Total	<0.0081		0.0081	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 120*	*08/16/16 12:00*	*08/17/16 13:14*	*1*
Dibromofluoromethane	*112*		*75 - 120*	*08/16/16 12:00*	*08/17/16 13:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*69 - 134*	*08/16/16 12:00*	*08/17/16 13:14*	*1*
Toluene-d8 (Surr)	*118*		*75 - 123*	*08/16/16 12:00*	*08/17/16 13:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Benzo[a]anthracene	**0.015**	**J**	0.037	0.0050	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-2

Client Sample ID: 2282V-1-B01 (0-3)
Date Collected: 08/15/16 10:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-6
Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.019**	**J**	0.037	0.0072	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Benzo[b]fluoranthene	**0.031**	**J**	0.037	0.0080	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Chrysene	**0.022**	**J**	0.037	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Fluoranthene	**0.032**	**J**	0.037	0.0069	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Indeno[1,2,3-cd]pyrene	**0.012**	**J**	0.037	0.0096	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1

Client Sample ID: 2282V-1-B01 (0-3)
Date Collected: 08/15/16 10:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-6
Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Phenanthrene	**0.013**	**J**	0.037	0.0052	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
Pyrene	**0.028**	**J**	0.037	0.0074	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*42 - 115*	*08/18/16 15:52*	*08/19/16 13:30*	*1*
2-Fluorophenol	*88*		*40 - 130*	*08/18/16 15:52*	*08/19/16 13:30*	*1*
Nitrobenzene-d5	*70*		*33 - 124*	*08/18/16 15:52*	*08/19/16 13:30*	*1*
Phenol-d5	*77*		*36 - 123*	*08/18/16 15:52*	*08/19/16 13:30*	*1*
Terphenyl-d14	*79*		*25 - 150*	*08/18/16 15:52*	*08/19/16 13:30*	*1*
2,4,6-Tribromophenol	*86*		*25 - 130*	*08/18/16 15:52*	*08/19/16 13:30*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Arsenic	**2.7**		0.58	0.27	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Barium	**71**		0.58	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Beryllium	**0.28**		0.23	0.051	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Cadmium	**0.21**		0.12	0.034	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Chromium	**8.0**		0.58	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Cobalt	**5.4**		0.29	0.066	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Copper	**9.5**		0.58	0.13	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Iron	**8200**	**B**	12	4.5	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Lead	**27**		0.29	0.15	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Magnesium	**3200**	**B**	5.8	2.4	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Calcium	**4500**	**B**	12	3.8	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Manganese	**490**		0.58	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Nickel	**9.5**		0.58	0.16	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Vanadium	**14**		0.29	0.085	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Zinc	**40**		1.2	0.37	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Potassium	**520**		29	4.8	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1
Sodium	**1900**	**B**	58	7.7	mg/Kg	☼	08/17/16 08:33	08/17/16 17:18	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 09:05	08/18/16 17:45	1
Barium	**0.66**		0.50	0.050	mg/L		08/18/16 09:05	08/18/16 17:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 17:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 17:45	1

Client Sample ID: 2282V-1-B01 (0-3)
Date Collected: 08/15/16 10:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-6
Matrix: Solid
Percent Solids: 84.5

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 17:45	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:45	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:45	1
Copper	**0.014**	**J B**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:45	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 17:45	1
Lead	**0.015**		0.0075	0.0075	mg/L		08/22/16 08:40	08/22/16 19:36	1
Magnesium	**64**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:45	1
Manganese	**9.1**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:45	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:45	1
Potassium	**2.3**	**J**	2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:45	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 17:45	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:45	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:45	1
Zinc	**0.15**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 17:45	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.19**		0.0075	0.0075	mg/L		08/18/16 13:57	08/19/16 19:16	1
Manganese	**2.3**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 19:16	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 09:54	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 09:54	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**		0.019	0.010	mg/Kg	☼	08/17/16 15:45	08/18/16 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	08/19/16 11:15	08/19/16 15:34	1
pH	**7.5**		0.2	0.2	SU			08/24/16 14:44	1

Client Sample ID: 2282V-1-B02 (0-3)
Date Collected: 08/15/16 10:55
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-7
Matrix: Solid
Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0028	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Benzene	<0.0037		0.0037	0.00082	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Bromodichloromethane	<0.0037		0.0037	0.00062	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Bromoform	<0.0037		0.0037	0.00075	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
2-Butanone (MEK)	<0.0037		0.0037	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Carbon disulfide	<0.0037		0.0037	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Carbon tetrachloride	<0.0037		0.0037	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Chlorobenzene	<0.0037		0.0037	0.00087	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Chloroethane	<0.0037		0.0037	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Chloroform	<0.0037		0.0037	0.00072	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Chloromethane	<0.0037		0.0037	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
cis-1,2-Dichloroethene	<0.0037		0.0037	0.00075	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
cis-1,3-Dichloropropene	<0.0029		0.0029	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Dibromochloromethane	<0.0037		0.0037	0.00042	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
1,1-Dichloroethane	<0.0037		0.0037	0.00076	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
1,2-Dichloroethane	<0.0037		0.0037	0.00054	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
1,1-Dichloroethene	<0.0037		0.0037	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
1,2-Dichloropropane	<0.0037		0.0037	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
1,3-Dichloropropene, Total	<0.0029		0.0029	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Ethylbenzene	<0.0037		0.0037	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
2-Hexanone	<0.0037		0.0037	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Methylene Chloride	<0.0037		0.0037	0.0028	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
4-Methyl-2-pentanone (MIBK)	<0.0037		0.0037	0.00076	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Methyl tert-butyl ether	<0.0037		0.0037	0.00087	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Styrene	<0.0037		0.0037	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
1,1,2,2-Tetrachloroethane	<0.0037		0.0037	0.00058	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Tetrachloroethene	<0.0037		0.0037	0.00076	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Toluene	<0.0037		0.0037	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
trans-1,2-Dichloroethene	<0.0037		0.0037	0.00092	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
trans-1,3-Dichloropropene	<0.0029		0.0029	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
1,1,1-Trichloroethane	<0.0037		0.0037	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
1,1,2-Trichloroethane	<0.0037		0.0037	0.00071	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Trichloroethene	<0.0037		0.0037	0.00099	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Vinyl acetate	<0.0037		0.0037	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Vinyl chloride	<0.0037		0.0037	0.00087	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1
Xylenes, Total	<0.0073		0.0073	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 120*	*08/16/16 12:00*	*08/17/16 13:39*	*1*
Dibromofluoromethane	*108*		*75 - 120*	*08/16/16 12:00*	*08/17/16 13:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*69 - 134*	*08/16/16 12:00*	*08/17/16 13:39*	*1*
Toluene-d8 (Surr)	*119*		*75 - 123*	*08/16/16 12:00*	*08/17/16 13:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0066	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Benzo[a]anthracene	**0.076**		0.036	0.0049	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-2

Client Sample ID: 2282V-1-B02 (0-3)
Date Collected: 08/15/16 10:55
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-7
Matrix: Solid
Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.088**		0.036	0.0071	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Benzo[b]fluoranthene	**0.16**		0.036	0.0079	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Benzo[g,h,i]perylene	**0.055**		0.036	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Benzo[k]fluoranthene	**0.039**		0.036	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Chrysene	**0.091**		0.036	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2,4-Dinitrophenol	<0.74		0.74	0.64	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Fluoranthene	**0.15**		0.036	0.0068	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Indeno[1,2,3-cd]pyrene	**0.052**		0.036	0.0095	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2-Methylnaphthalene	<0.074		0.074	0.0067	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1

Client Sample ID: 2282V-1-B02 (0-3)
Date Collected: 08/15/16 10:55
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-7
Matrix: Solid
Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Phenanthrene	**0.067**		0.036	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
Pyrene	**0.20**		0.036	0.0073	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*42 - 115*	*08/18/16 15:52*	*08/19/16 17:32*	*1*
2-Fluorophenol	*75*		*40 - 130*	*08/18/16 15:52*	*08/19/16 17:32*	*1*
Nitrobenzene-d5	*59*		*33 - 124*	*08/18/16 15:52*	*08/19/16 17:32*	*1*
Phenol-d5	*66*		*36 - 123*	*08/18/16 15:52*	*08/19/16 17:32*	*1*
Terphenyl-d14	*107*		*25 - 150*	*08/18/16 15:52*	*08/19/16 17:32*	*1*
2,4,6-Tribromophenol	*84*		*25 - 130*	*08/18/16 15:52*	*08/19/16 17:32*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.35**	**J**	1.0	0.21	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Arsenic	**4.9**		0.51	0.24	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Barium	**58**		0.51	0.093	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Beryllium	**0.35**		0.20	0.044	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Cadmium	**0.44**		0.10	0.030	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Chromium	**11**		0.51	0.088	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Cobalt	**7.0**		0.26	0.058	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Copper	**20**		0.51	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Iron	**11000**	**B**	10	3.9	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Lead	**110**		0.26	0.13	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Magnesium	**16000**	**B**	5.1	2.1	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Calcium	**25000**	**B**	10	3.3	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Manganese	**510**		0.51	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Nickel	**12**		0.51	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Selenium	<0.51		0.51	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Thallium	<0.51		0.51	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Vanadium	**17**		0.26	0.075	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Zinc	**71**		1.0	0.32	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Potassium	**690**		26	4.2	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1
Sodium	**2400**	**B**	51	6.7	mg/Kg	☼	08/17/16 08:33	08/17/16 17:30	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 09:05	08/18/16 17:52	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		08/18/16 09:05	08/18/16 17:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 17:52	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 17:52	1

Client Sample ID: 2282V-1-B02 (0-3)
Date Collected: 08/15/16 10:55
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-7
Matrix: Solid
Percent Solids: 89.1

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**380**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 17:52	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:52	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:52	1
Copper	<0.025		0.025	0.010	mg/L		08/22/16 08:40	08/22/16 19:59	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 17:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/22/16 08:40	08/22/16 19:59	1
Magnesium	**120**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:52	1
Manganese	**0.068**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:52	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:52	1
Potassium	**2.4**	**J**	2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:52	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 17:52	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:52	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:52	1
Zinc	**0.18**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 17:52	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 09:58	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 09:58	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**		0.017	0.0089	mg/Kg	☼	08/17/16 15:45	08/18/16 10:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	08/19/16 11:15	08/19/16 15:35	1
pH	**8.7**		0.2	0.2	SU			08/24/16 14:47	1

Client Sample ID: 2282V-1-B03 (0-3)
Date Collected: 08/15/16 11:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-8
Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0033	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Benzene	<0.0043		0.0043	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Bromodichloromethane	<0.0043		0.0043	0.00073	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Bromoform	<0.0043		0.0043	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Carbon tetrachloride	<0.0043		0.0043	0.00092	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Chloroethane	<0.0043		0.0043	0.0018	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Chloroform	<0.0043		0.0043	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
cis-1,3-Dichloropropene	<0.0035		0.0035	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Dibromochloromethane	<0.0043		0.0043	0.00050	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
1,1-Dichloroethane	<0.0043		0.0043	0.00089	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
1,2-Dichloroethane	<0.0043		0.0043	0.00064	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
1,3-Dichloropropene, Total	<0.0035		0.0035	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Methylene Chloride	<0.0043		0.0043	0.0033	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00089	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
1,1,2,2-Tetrachloroethane	<0.0043		0.0043	0.00069	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Tetrachloroethene	<0.0043		0.0043	0.00090	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
trans-1,3-Dichloropropene	<0.0035		0.0035	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Vinyl acetate	<0.0043		0.0043	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1
Xylenes, Total	<0.0086		0.0086	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 120*	*08/16/16 12:00*	*08/17/16 14:04*	*1*
Dibromofluoromethane	*110*		*75 - 120*	*08/16/16 12:00*	*08/17/16 14:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*69 - 134*	*08/16/16 12:00*	*08/17/16 14:04*	*1*
Toluene-d8 (Surr)	*118*		*75 - 123*	*08/16/16 12:00*	*08/17/16 14:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Benzo[a]anthracene	**0.014**	**J**	0.038	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1

Client Sample ID: 2282V-1-B03 (0-3)
Date Collected: 08/15/16 11:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-8
Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.016**	**J**	0.038	0.0074	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Benzo[b]fluoranthene	**0.023**	**J**	0.038	0.0083	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Benzo[g,h,i]perylene	**0.015**	**J**	0.038	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Chrysene	**0.019**	**J**	0.038	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Fluoranthene	**0.030**	**J**	0.038	0.0071	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Indeno[1,2,3-cd]pyrene	**0.011**	**J**	0.038	0.0099	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1

Client Sample ID: 2282V-1-B03 (0-3)
Date Collected: 08/15/16 11:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-8
Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Phenanthrene	**0.017**	**J**	0.038	0.0053	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
Pyrene	**0.026**	**J**	0.038	0.0076	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*42 - 115*	*08/18/16 15:52*	*08/19/16 12:37*	*1*
2-Fluorophenol	*72*		*40 - 130*	*08/18/16 15:52*	*08/19/16 12:37*	*1*
Nitrobenzene-d5	*56*		*33 - 124*	*08/18/16 15:52*	*08/19/16 12:37*	*1*
Phenol-d5	*63*		*36 - 123*	*08/18/16 15:52*	*08/19/16 12:37*	*1*
Terphenyl-d14	*69*		*25 - 150*	*08/18/16 15:52*	*08/19/16 12:37*	*1*
2,4,6-Tribromophenol	*79*		*25 - 130*	*08/18/16 15:52*	*08/19/16 12:37*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.27**	**J**	0.94	0.19	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Arsenic	**2.9**		0.47	0.22	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Barium	**54**		0.47	0.086	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Beryllium	**0.29**		0.19	0.041	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Cadmium	**0.25**		0.094	0.027	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Chromium	**7.7**		0.47	0.081	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Cobalt	**4.9**		0.23	0.053	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Copper	**12**		0.47	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Iron	**8700**	**B**	9.4	3.6	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Lead	**20**		0.23	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Magnesium	**11000**	**B**	4.7	1.9	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Calcium	**17000**	**B**	9.4	3.0	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Manganese	**530**		0.47	0.093	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Nickel	**9.4**		0.47	0.13	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Selenium	<0.47		0.47	0.23	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Silver	<0.23		0.23	0.055	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Thallium	<0.47		0.47	0.23	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Vanadium	**13**		0.23	0.068	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Zinc	**41**		0.94	0.30	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Potassium	**530**		23	3.8	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1
Sodium	**1000**	**B**	47	6.2	mg/Kg	☼	08/17/16 08:33	08/17/16 17:35	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 09:05	08/18/16 17:58	1
Barium	**0.46**	**J**	0.50	0.050	mg/L		08/18/16 09:05	08/18/16 17:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 17:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 17:58	1

Client Sample ID: 2282V-1-B03 (0-3)

Date Collected: 08/15/16 11:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-8

Matrix: Solid
Percent Solids: 84.8

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**260**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 17:58	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:58	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:58	1
Copper	**0.014**	**J B**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:58	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 17:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/18/16 09:05	08/18/16 17:58	1
Magnesium	**140**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:58	1
Manganese	**0.69**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:58	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:58	1
Potassium	**1.3**	**J**	2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:58	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 17:58	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:58	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:58	1
Zinc	**0.064**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.8**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 19:30	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 10:02	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 10:02	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.018	0.0096	mg/Kg	☼	08/17/16 15:45	08/18/16 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	08/19/16 11:15	08/19/16 15:35	1
pH	**8.5**		0.2	0.2	SU			08/24/16 14:49	1

Client Sample ID: 2282V-1-B04 (0-5)
Date Collected: 08/15/16 11:15
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-9
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0029	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Benzene	<0.0037		0.0037	0.00082	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Bromodichloromethane	<0.0037		0.0037	0.00063	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Bromoform	<0.0037		0.0037	0.00076	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
2-Butanone (MEK)	<0.0037		0.0037	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Carbon disulfide	<0.0037		0.0037	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Carbon tetrachloride	<0.0037		0.0037	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Chlorobenzene	<0.0037		0.0037	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Chloroethane	<0.0037		0.0037	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Chloroform	<0.0037		0.0037	0.00072	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Chloromethane	<0.0037		0.0037	0.00089	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
cis-1,2-Dichloroethene	<0.0037		0.0037	0.00076	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
cis-1,3-Dichloropropene	<0.0030		0.0030	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Dibromochloromethane	<0.0037		0.0037	0.00043	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
1,1-Dichloroethane	<0.0037		0.0037	0.00077	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
1,2-Dichloroethane	<0.0037		0.0037	0.00055	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
1,1-Dichloroethene	<0.0037		0.0037	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
1,2-Dichloropropane	<0.0037		0.0037	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
1,3-Dichloropropene, Total	<0.0030		0.0030	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Ethylbenzene	<0.0037		0.0037	0.00092	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Methylene Chloride	<0.0037		0.0037	0.0028	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
4-Methyl-2-pentanone (MIBK)	<0.0037		0.0037	0.00077	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Methyl tert-butyl ether	<0.0037		0.0037	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Styrene	<0.0037		0.0037	0.00087	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
1,1,2,2-Tetrachloroethane	<0.0037		0.0037	0.00059	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Tetrachloroethene	<0.0037		0.0037	0.00077	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Toluene	<0.0037		0.0037	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
trans-1,2-Dichloroethene	<0.0037		0.0037	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
trans-1,3-Dichloropropene	<0.0030		0.0030	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
1,1,1-Trichloroethane	<0.0037		0.0037	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
1,1,2-Trichloroethane	<0.0037		0.0037	0.00072	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Trichloroethene	<0.0037		0.0037	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Vinyl acetate	<0.0037		0.0037	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Vinyl chloride	<0.0037		0.0037	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1
Xylenes, Total	<0.0074		0.0074	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 120*	*08/16/16 12:00*	*08/17/16 14:29*	*1*
Dibromofluoromethane	*112*		*75 - 120*	*08/16/16 12:00*	*08/17/16 14:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*69 - 134*	*08/16/16 12:00*	*08/17/16 14:29*	*1*
Toluene-d8 (Surr)	*116*		*75 - 123*	*08/16/16 12:00*	*08/17/16 14:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-2

Client Sample ID: 2282V-1-B04 (0-5)
Date Collected: 08/15/16 11:15
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-9
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Benzo[g,h,i]perylene	**0.053**		0.036	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1

Client Sample ID: 2282V-1-B04 (0-5)
Date Collected: 08/15/16 11:15
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-9
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
Pyrene	**0.050**		0.036	0.0072	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*42 - 115*	*08/18/16 15:52*	*08/19/16 20:13*	*1*
2-Fluorophenol	*86*		*40 - 130*	*08/18/16 15:52*	*08/19/16 20:13*	*1*
Nitrobenzene-d5	*67*		*33 - 124*	*08/18/16 15:52*	*08/19/16 20:13*	*1*
Phenol-d5	*75*		*36 - 123*	*08/18/16 15:52*	*08/19/16 20:13*	*1*
Terphenyl-d14	*160*	*X*	*25 - 150*	*08/18/16 15:52*	*08/19/16 20:13*	*1*
2,4,6-Tribromophenol	*84*		*25 - 130*	*08/18/16 15:52*	*08/19/16 20:13*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Arsenic	**2.4**		0.54	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Barium	**48**		0.54	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Beryllium	**0.24**		0.22	0.047	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Cadmium	**0.19**		0.11	0.032	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Chromium	**6.7**		0.54	0.094	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Cobalt	**4.6**		0.27	0.062	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Copper	**7.2**		0.54	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Iron	**7200**	**B**	11	4.2	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Lead	**11**		0.27	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Magnesium	**19000**	**B**	5.4	2.2	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Calcium	**44000**	**B**	110	35	mg/Kg	☼	08/17/16 08:33	08/18/16 16:49	10
Manganese	**450**		0.54	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Nickel	**8.0**		0.54	0.15	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Selenium	**0.27**	**J**	0.54	0.27	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Vanadium	**13**		0.27	0.079	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Zinc	**27**		1.1	0.34	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Potassium	**540**		27	4.4	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1
Sodium	**1300**	**B**	54	7.2	mg/Kg	☼	08/17/16 08:33	08/17/16 17:40	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 09:05	08/18/16 18:05	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		08/18/16 09:05	08/18/16 18:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 18:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 18:05	1

Client Sample ID: 2282V-1-B04 (0-5)
Date Collected: 08/15/16 11:15
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-9
Matrix: Solid
Percent Solids: 89.4

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**350**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 18:05	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:05	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:05	1
Copper	<0.025		0.025	0.010	mg/L		08/22/16 08:40	08/22/16 20:06	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 18:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/22/16 08:40	08/22/16 20:06	1
Magnesium	**120**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:05	1
Manganese	**0.84**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:05	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:05	1
Potassium	**2.1**	**J**	2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:05	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 18:05	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:05	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:05	1
Zinc	**0.099**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.5**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 19:36	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 10:14	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 10:14	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**		0.017	0.0089	mg/Kg	☼	08/17/16 15:45	08/18/16 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.18	mg/Kg	☼	08/19/16 11:15	08/19/16 15:35	1
pH	**9.3**		0.2	0.2	SU			08/24/16 14:51	1

Client Sample ID: 2282V-1-B04 (5-10)
Date Collected: 08/15/16 11:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-10
Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0036	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Bromoform	<0.0046		0.0046	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Carbon tetrachloride	<0.0046		0.0046	0.00099	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Chloroethane	<0.0046		0.0046	0.0019	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Chloroform	<0.0046		0.0046	0.00090	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
cis-1,3-Dichloropropene	<0.0037		0.0037	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
1,1-Dichloroethane	<0.0046		0.0046	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
1,2-Dichloroethane	<0.0046		0.0046	0.00069	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
1,3-Dichloropropene, Total	<0.0037		0.0037	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Tetrachloroethene	<0.0046		0.0046	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
trans-1,3-Dichloropropene	<0.0037		0.0037	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00090	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1
Xylenes, Total	<0.0092		0.0092	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 120*	*08/16/16 12:00*	*08/17/16 14:55*	*1*
Dibromofluoromethane	*114*		*75 - 120*	*08/16/16 12:00*	*08/17/16 14:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*69 - 134*	*08/16/16 12:00*	*08/17/16 14:55*	*1*
Toluene-d8 (Surr)	*118*		*75 - 123*	*08/16/16 12:00*	*08/17/16 14:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0066	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-2

Client Sample ID: 2282V-1-B04 (5-10)
Date Collected: 08/15/16 11:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-10
Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.036		0.036	0.0071	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2-Chlorophenol	<0.18		0.18	0.063	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Chrysene	<0.036		0.036	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Fluoranthene	<0.036		0.036	0.0068	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Fluorene	<0.036		0.036	0.0052	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0095	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2-Methylnaphthalene	<0.074		0.074	0.0067	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Nitrobenzene	<0.036		0.036	0.0092	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2-Nitrophenol	<0.36		0.36	0.087	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1

Client Sample ID: 2282V-1-B04 (5-10)
Date Collected: 08/15/16 11:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-10
Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Phenol	<0.18		0.18	0.082	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
Pyrene	<0.036		0.036	0.0073	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2,4,5-Trichlorophenol	<0.36		0.36	0.084	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*42 - 115*	*08/18/16 15:52*	*08/19/16 17:59*	*1*
2-Fluorophenol	*75*		*40 - 130*	*08/18/16 15:52*	*08/19/16 17:59*	*1*
Nitrobenzene-d5	*61*		*33 - 124*	*08/18/16 15:52*	*08/19/16 17:59*	*1*
Phenol-d5	*67*		*36 - 123*	*08/18/16 15:52*	*08/19/16 17:59*	*1*
Terphenyl-d14	*116*		*25 - 150*	*08/18/16 15:52*	*08/19/16 17:59*	*1*
2,4,6-Tribromophenol	*66*		*25 - 130*	*08/18/16 15:52*	*08/19/16 17:59*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Arsenic	**5.7**		0.56	0.26	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Barium	**53**		0.56	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Beryllium	**0.22**		0.22	0.048	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Cadmium	**0.27**		0.11	0.032	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Chromium	**7.0**		0.56	0.096	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Cobalt	**4.7**		0.28	0.063	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Copper	**6.4**		0.56	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Iron	**10000**	**B**	11	4.3	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Lead	**4.4**		0.28	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Magnesium	**7400**	**B**	5.6	2.3	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Calcium	**11000**	**B**	11	3.6	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Manganese	**820**		0.56	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Nickel	**17**		0.56	0.15	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Selenium	**0.35**	**J**	0.56	0.28	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Silver	**0.075**	**J**	0.28	0.065	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Vanadium	**16**		0.28	0.081	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Zinc	**21**		1.1	0.35	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Potassium	**480**		28	4.5	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	1
Sodium	**1200**	**B**	56	7.3	mg/Kg	☼	08/17/16 08:33	08/17/16 17:45	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		08/18/16 09:05	08/18/16 18:12	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		08/18/16 09:05	08/18/16 18:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 18:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 18:12	1

Client Sample ID: 2282V-1-B04 (5-10)
Date Collected: 08/15/16 11:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-10
Matrix: Solid
Percent Solids: 88.8

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**300**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 18:12	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:12	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:12	1
Copper	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:12	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 18:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/18/16 09:05	08/18/16 18:12	1
Magnesium	**170**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:12	1
Manganese	**0.14**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:12	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:12	1
Potassium	**2.4**	**J**	2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:12	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 18:12	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:12	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:12	1
Zinc	<0.50		0.50	0.020	mg/L		08/18/16 09:05	08/18/16 18:12	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 10:18	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 10:18	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.018		0.018	0.0093	mg/Kg	☼	08/17/16 15:45	08/18/16 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.49		0.49	0.16	mg/Kg	☼	08/19/16 11:15	08/19/16 15:36	1
pH	**8.0**		0.2	0.2	SU			08/24/16 14:53	1

Client Sample ID: 2282V-1-B05 (0-3)
Date Collected: 08/15/16 12:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-11
Matrix: Solid
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0032	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Benzene	<0.0041		0.0041	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Bromoform	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
2-Butanone (MEK)	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Carbon tetrachloride	<0.0041		0.0041	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Chlorobenzene	<0.0041		0.0041	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Chloroform	<0.0041		0.0041	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Chloromethane	<0.0041		0.0041	0.00099	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
1,1-Dichloroethane	<0.0041		0.0041	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
1,2-Dichloroethane	<0.0041		0.0041	0.00061	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Styrene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
1,1,2,2-Tetrachloroethane	<0.0041		0.0041	0.00065	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Tetrachloroethene	<0.0041		0.0041	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Vinyl chloride	<0.0041		0.0041	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1
Xylenes, Total	<0.0082		0.0082	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*08/16/16 12:00*	*08/17/16 15:20*	*1*
Dibromofluoromethane	*113*		*75 - 120*	*08/16/16 12:00*	*08/17/16 15:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*69 - 134*	*08/16/16 12:00*	*08/17/16 15:20*	*1*
Toluene-d8 (Surr)	*117*		*75 - 123*	*08/16/16 12:00*	*08/17/16 15:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Anthracene	**0.0085**	**J**	0.036	0.0060	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Benzo[a]anthracene	**0.064**		0.036	0.0049	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1

Client Sample ID: 2282V-1-B05 (0-3)
Date Collected: 08/15/16 12:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-11
Matrix: Solid
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.089**		0.036	0.0070	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Benzo[b]fluoranthene	**0.15**		0.036	0.0078	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Benzo[g,h,i]perylene	**0.052**		0.036	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Benzo[k]fluoranthene	**0.052**		0.036	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Carbazole	<0.18		0.18	0.090	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Chrysene	**0.098**		0.036	0.0098	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Fluoranthene	**0.15**		0.036	0.0067	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Indeno[1,2,3-cd]pyrene	**0.058**		0.036	0.0093	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2-Methylnaphthalene	<0.073		0.073	0.0066	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1

Client Sample ID: 2282V-1-B05 (0-3)
Date Collected: 08/15/16 12:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-11
Matrix: Solid
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Phenanthrene	**0.049**		0.036	0.0050	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
Pyrene	**0.13**		0.036	0.0072	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*42 - 115*	*08/18/16 15:52*	*08/19/16 15:44*	*1*
2-Fluorophenol	*75*		*40 - 130*	*08/18/16 15:52*	*08/19/16 15:44*	*1*
Nitrobenzene-d5	*58*		*33 - 124*	*08/18/16 15:52*	*08/19/16 15:44*	*1*
Phenol-d5	*67*		*36 - 123*	*08/18/16 15:52*	*08/19/16 15:44*	*1*
Terphenyl-d14	*70*		*25 - 150*	*08/18/16 15:52*	*08/19/16 15:44*	*1*
2,4,6-Tribromophenol	*70*		*25 - 130*	*08/18/16 15:52*	*08/19/16 15:44*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.28**	**J**	1.0	0.21	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Arsenic	**3.3**		0.50	0.23	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Barium	**53**		0.50	0.091	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Beryllium	**0.33**		0.20	0.043	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Cadmium	**0.37**		0.10	0.029	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Chromium	**13**		0.50	0.086	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Cobalt	**5.4**		0.25	0.056	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Copper	**19**		0.50	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Iron	**11000**	**B**	10	3.8	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Lead	**60**		0.25	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Magnesium	**19000**	**B**	5.0	2.0	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Calcium	**42000**	**B**	100	32	mg/Kg	☼	08/17/16 08:33	08/18/16 16:53	10
Manganese	**430**		0.50	0.099	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Nickel	**10**		0.50	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Selenium	**0.36**	**J**	0.50	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Silver	<0.25		0.25	0.058	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Thallium	<0.50		0.50	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Vanadium	**15**		0.25	0.073	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Zinc	**67**		1.0	0.32	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Potassium	**560**		25	4.1	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1
Sodium	**2100**	**B**	50	6.6	mg/Kg	☼	08/17/16 08:33	08/17/16 17:49	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 09:05	08/18/16 18:19	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		08/18/16 09:05	08/18/16 18:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 18:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 18:19	1

Client Sample ID: 2282V-1-B05 (0-3)
Date Collected: 08/15/16 12:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-11
Matrix: Solid
Percent Solids: 87.6

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**310**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 18:19	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:19	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:19	1
Copper	**0.023**	**J B**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:19	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 18:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/18/16 09:05	08/18/16 18:19	1
Magnesium	**130**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:19	1
Manganese	**0.82**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:19	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:19	1
Potassium	**1.1**	**J**	2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:19	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 18:19	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:19	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:19	1
Zinc	**0.089**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.7**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 19:50	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 10:22	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 10:22	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.041**		0.016	0.0086	mg/Kg	☼	08/17/16 15:45	08/18/16 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.50		0.50	0.17	mg/Kg	☼	08/19/16 11:15	08/19/16 15:36	1
pH	**8.5**		0.2	0.2	SU			08/24/16 14:55	1

Client Sample ID: 2282V-1-B05 (0-3) Dup
Date Collected: 08/15/16 12:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-12
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0029	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Benzene	<0.0038		0.0038	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Bromodichloromethane	<0.0038		0.0038	0.00063	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Bromoform	<0.0038		0.0038	0.00077	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
2-Butanone (MEK)	<0.0038		0.0038	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Carbon disulfide	<0.0038		0.0038	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Carbon tetrachloride	<0.0038		0.0038	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Chlorobenzene	<0.0038		0.0038	0.00089	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Chloroethane	<0.0038		0.0038	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Chloroform	<0.0038		0.0038	0.00073	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Chloromethane	<0.0038		0.0038	0.00090	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
cis-1,2-Dichloroethene	<0.0038		0.0038	0.00077	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
cis-1,3-Dichloropropene	<0.0030		0.0030	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Dibromochloromethane	<0.0038		0.0038	0.00043	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
1,1-Dichloroethane	<0.0038		0.0038	0.00077	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
1,2-Dichloroethane	<0.0038		0.0038	0.00056	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
1,1-Dichloroethene	<0.0038		0.0038	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
1,2-Dichloropropane	<0.0038		0.0038	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
1,3-Dichloropropene, Total	<0.0030		0.0030	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Ethylbenzene	<0.0038		0.0038	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Methylene Chloride	<0.0038		0.0038	0.0028	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
4-Methyl-2-pentanone (MIBK)	<0.0038		0.0038	0.00077	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Methyl tert-butyl ether	<0.0038		0.0038	0.00089	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Styrene	<0.0038		0.0038	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
1,1,2,2-Tetrachloroethane	<0.0038		0.0038	0.00060	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Tetrachloroethene	<0.0038		0.0038	0.00078	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Toluene	<0.0038		0.0038	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
trans-1,2-Dichloroethene	<0.0038		0.0038	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
trans-1,3-Dichloropropene	<0.0030		0.0030	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
1,1,1-Trichloroethane	<0.0038		0.0038	0.00087	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
1,1,2-Trichloroethane	<0.0038		0.0038	0.00073	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Trichloroethene	<0.0038		0.0038	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Vinyl acetate	<0.0038		0.0038	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Vinyl chloride	<0.0038		0.0038	0.00089	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1
Xylenes, Total	<0.0075		0.0075	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*08/16/16 12:00*	*08/17/16 15:45*	*1*
Dibromofluoromethane	*113*		*75 - 120*	*08/16/16 12:00*	*08/17/16 15:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*69 - 134*	*08/16/16 12:00*	*08/17/16 15:45*	*1*
Toluene-d8 (Surr)	*118*		*75 - 123*	*08/16/16 12:00*	*08/17/16 15:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.081**		0.036	0.0064	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Anthracene	**0.14**		0.036	0.0060	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Benzo[a]anthracene	**0.76**		0.036	0.0048	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1

Client Sample ID: 2282V-1-B05 (0-3) Dup
Date Collected: 08/15/16 12:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-12
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.89**		0.036	0.0069	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Benzo[b]fluoranthene	**1.6**		0.036	0.0077	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Benzo[g,h,i]perylene	**0.51**		0.036	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Benzo[k]fluoranthene	**0.60**		0.036	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Carbazole	**0.29**		0.18	0.090	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Chrysene	**1.0**		0.036	0.0098	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Dibenz(a,h)anthracene	**0.13**		0.036	0.0069	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Dibenzofuran	**0.061**	**J**	0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
4,6-Dinitro-2-methylphenol	<0.72		0.72	0.29	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2,4-Dinitrophenol	<0.72		0.72	0.63	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Fluoranthene	**2.3**		0.036	0.0066	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Fluorene	**0.10**		0.036	0.0050	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Hexachlorobenzene	<0.072		0.072	0.0083	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Hexachlorocyclopentadiene	<0.72		0.72	0.21	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Indeno[1,2,3-cd]pyrene	**0.55**		0.036	0.0093	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2-Methylnaphthalene	<0.072		0.072	0.0066	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Nitrobenzene	<0.036		0.036	0.0089	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1

Client Sample ID: 2282V-1-B05 (0-3) Dup

Date Collected: 08/15/16 12:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-12

Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
N-Nitrosodi-n-propylamine	<0.072		0.072	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Pentachlorophenol	<0.72		0.72	0.57	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Phenanthrene	**1.6**		0.036	0.0050	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*42 - 115*	*08/18/16 15:52*	*08/19/16 18:26*	*1*
2-Fluorophenol	*71*		*40 - 130*	*08/18/16 15:52*	*08/19/16 18:26*	*1*
Nitrobenzene-d5	*56*		*33 - 124*	*08/18/16 15:52*	*08/19/16 18:26*	*1*
Phenol-d5	*64*		*36 - 123*	*08/18/16 15:52*	*08/19/16 18:26*	*1*
Terphenyl-d14	*118*		*25 - 150*	*08/18/16 15:52*	*08/19/16 18:26*	*1*
2,4,6-Tribromophenol	*84*		*25 - 130*	*08/18/16 15:52*	*08/19/16 18:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**2.1**		0.071	0.014	mg/Kg	☼	08/18/16 15:52	08/22/16 14:00	2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.28**	**J**	1.1	0.22	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Arsenic	**5.9**		0.53	0.24	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Barium	**53**		0.53	0.096	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Beryllium	**0.31**		0.21	0.046	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Cadmium	**0.50**		0.11	0.030	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Chromium	**21**		0.53	0.090	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Cobalt	**5.6**		0.26	0.059	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Copper	**31**		0.53	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Iron	**21000**	**B**	11	4.1	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Lead	**110**		0.26	0.13	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Magnesium	**21000**	**B**	5.3	2.1	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Calcium	**48000**	**B**	110	34	mg/Kg	☼	08/17/16 08:33	08/18/16 16:57	10
Manganese	**580**		0.53	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Nickel	**17**		0.53	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Selenium	**0.28**	**J**	0.53	0.26	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Silver	<0.26		0.26	0.061	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Vanadium	**16**		0.26	0.077	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Zinc	**100**		1.1	0.33	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Potassium	**550**		26	4.3	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1
Sodium	**1900**	**B**	53	6.9	mg/Kg	☼	08/17/16 08:33	08/17/16 17:55	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 09:05	08/18/16 18:26	1

Client Sample ID: 2282V-1-B05 (0-3) Dup
Date Collected: 08/15/16 12:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-12
Matrix: Solid
Percent Solids: 89.3

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.39**	**J**	0.50	0.050	mg/L		08/18/16 09:05	08/18/16 18:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 18:26	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 18:26	1
Calcium	**370**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 18:26	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:26	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:26	1
Copper	<0.025		0.025	0.010	mg/L		08/22/16 08:40	08/22/16 20:13	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 18:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/22/16 08:40	08/22/16 20:13	1
Magnesium	**130**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:26	1
Manganese	**1.1**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:26	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:26	1
Potassium	**1.5**	**J**	2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:26	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 18:26	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:26	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:26	1
Zinc	**0.14**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 18:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.3**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 19:57	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 10:26	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 10:26	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**		0.017	0.0092	mg/Kg	☼	08/17/16 15:45	08/18/16 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.18	mg/Kg	☼	08/19/16 11:15	08/19/16 15:36	1
pH	**8.5**		0.2	0.2	SU			08/24/16 14:57	1

Client Sample ID: 2282V-1-B06 (0-3)
Date Collected: 08/15/16 12:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-13
Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0035	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Bromodichloromethane	<0.0046		0.0046	0.00077	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Bromoform	<0.0046		0.0046	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Carbon tetrachloride	<0.0046		0.0046	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Chloroethane	<0.0046		0.0046	0.0019	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Chloroform	<0.0046		0.0046	0.00089	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
cis-1,3-Dichloropropene	<0.0037		0.0037	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
1,1-Dichloroethane	<0.0046		0.0046	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
1,3-Dichloropropene, Total	<0.0037		0.0037	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Tetrachloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
trans-1,3-Dichloropropene	<0.0037		0.0037	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1
Xylenes, Total	<0.0091		0.0091	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 120*	*08/16/16 12:00*	*08/17/16 16:11*	*1*
Dibromofluoromethane	*113*		*75 - 120*	*08/16/16 12:00*	*08/17/16 16:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*69 - 134*	*08/16/16 12:00*	*08/17/16 16:11*	*1*
Toluene-d8 (Surr)	*116*		*75 - 123*	*08/16/16 12:00*	*08/17/16 16:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Benzo[a]anthracene	**0.036**	**J**	0.040	0.0054	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-2

Client Sample ID: 2282V-1-B06 (0-3)
Date Collected: 08/15/16 12:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-13
Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.041**		0.040	0.0078	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Benzo[b]fluoranthene	**0.060**		0.040	0.0087	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Benzo[g,h,i]perylene	**0.024**	**J**	0.040	0.013	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Benzo[k]fluoranthene	**0.023**	**J**	0.040	0.012	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Chrysene	**0.045**		0.040	0.011	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Fluoranthene	**0.077**		0.040	0.0075	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Indeno[1,2,3-cd]pyrene	**0.024**	**J**	0.040	0.010	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1

Client Sample ID: 2282V-1-B06 (0-3)
Date Collected: 08/15/16 12:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-13
Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Phenanthrene	**0.021**	**J**	0.040	0.0056	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
Pyrene	**0.064**		0.040	0.0080	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	08/18/16 15:52	08/22/16 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*42 - 115*	*08/18/16 15:52*	*08/22/16 13:33*	*1*
2-Fluorophenol	*72*		*40 - 130*	*08/18/16 15:52*	*08/22/16 13:33*	*1*
Nitrobenzene-d5	*59*		*33 - 124*	*08/18/16 15:52*	*08/22/16 13:33*	*1*
Phenol-d5	*63*		*36 - 123*	*08/18/16 15:52*	*08/22/16 13:33*	*1*
Terphenyl-d14	*69*		*25 - 150*	*08/18/16 15:52*	*08/22/16 13:33*	*1*
2,4,6-Tribromophenol	*55*		*25 - 130*	*08/18/16 15:52*	*08/22/16 13:33*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Arsenic	**3.9**		0.60	0.28	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Barium	**84**		0.60	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Beryllium	**0.45**		0.24	0.052	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Cadmium	**0.36**		0.12	0.035	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Chromium	**20**		0.60	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Cobalt	**6.6**		0.30	0.068	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Copper	**18**		0.60	0.13	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Iron	**12000**	**B**	12	4.6	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Lead	**76**		0.30	0.15	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Magnesium	**9400**	**B**	6.0	2.4	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Calcium	**17000**	**B**	12	3.9	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Manganese	**670**		0.60	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Nickel	**13**		0.60	0.16	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Selenium	**0.61**		0.60	0.30	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Vanadium	**20**		0.30	0.088	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Zinc	**73**		1.2	0.38	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Potassium	**960**		30	4.9	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1
Sodium	**1500**	**B**	60	7.9	mg/Kg	☼	08/17/16 08:33	08/17/16 18:00	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 09:05	08/18/16 18:32	1
Barium	**0.54**		0.50	0.050	mg/L		08/18/16 09:05	08/18/16 18:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 18:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 18:32	1

Client Sample ID: 2282V-1-B06 (0-3)
Date Collected: 08/15/16 12:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-13
Matrix: Solid
Percent Solids: 78.6

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**210**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 18:32	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:32	1
Cobalt	**0.025**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:32	1
Copper	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:32	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 18:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/18/16 09:05	08/18/16 18:32	1
Magnesium	**84**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:32	1
Manganese	**12**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:32	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:32	1
Potassium	**3.3**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:32	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 18:32	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:32	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:32	1
Zinc	**0.054**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.7**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 20:04	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 10:35	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 10:35	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**		0.020	0.010	mg/Kg	☼	08/17/16 15:45	08/18/16 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	08/19/16 11:15	08/19/16 15:37	1
pH	**7.8**		0.2	0.2	SU			08/24/16 15:01	1

Client Sample ID: 2282V-1-B07 (0-3)
Date Collected: 08/15/16 12:35
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-14
Matrix: Solid
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0030	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Benzene	<0.0039		0.0039	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Bromodichloromethane	<0.0039		0.0039	0.00065	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Bromoform	<0.0039		0.0039	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Bromomethane	<0.0039		0.0039	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
2-Butanone (MEK)	<0.0039		0.0039	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Carbon disulfide	<0.0039		0.0039	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Carbon tetrachloride	<0.0039		0.0039	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Chlorobenzene	<0.0039		0.0039	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Chloroethane	<0.0039		0.0039	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Chloroform	<0.0039		0.0039	0.00076	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Chloromethane	<0.0039		0.0039	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
cis-1,2-Dichloroethene	<0.0039		0.0039	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
cis-1,3-Dichloropropene	<0.0031		0.0031	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Dibromochloromethane	<0.0039		0.0039	0.00045	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
1,1-Dichloroethane	<0.0039		0.0039	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
1,2-Dichloroethane	<0.0039		0.0039	0.00057	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
1,1-Dichloroethene	<0.0039		0.0039	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
1,2-Dichloropropane	<0.0039		0.0039	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
1,3-Dichloropropene, Total	<0.0031		0.0031	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Ethylbenzene	<0.0039		0.0039	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Methylene Chloride	<0.0039		0.0039	0.0029	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
4-Methyl-2-pentanone (MIBK)	<0.0039		0.0039	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Methyl tert-butyl ether	<0.0039		0.0039	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Styrene	<0.0039		0.0039	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
1,1,2,2-Tetrachloroethane	<0.0039		0.0039	0.00062	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Tetrachloroethene	<0.0039		0.0039	0.00081	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Toluene	<0.0039		0.0039	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
trans-1,2-Dichloroethene	<0.0039		0.0039	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
trans-1,3-Dichloropropene	<0.0031		0.0031	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
1,1,1-Trichloroethane	<0.0039		0.0039	0.00090	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
1,1,2-Trichloroethane	<0.0039		0.0039	0.00075	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Trichloroethene	<0.0039		0.0039	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Vinyl acetate	<0.0039		0.0039	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Vinyl chloride	<0.0039		0.0039	0.00092	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1
Xylenes, Total	<0.0078		0.0078	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 120*	*08/16/16 12:00*	*08/17/16 16:36*	*1*
Dibromofluoromethane	*110*		*75 - 120*	*08/16/16 12:00*	*08/17/16 16:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*69 - 134*	*08/16/16 12:00*	*08/17/16 16:36*	*1*
Toluene-d8 (Surr)	*116*		*75 - 123*	*08/16/16 12:00*	*08/17/16 16:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0066	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Anthracene	**0.012**	**J**	0.036	0.0061	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Benzo[a]anthracene	**0.089**		0.036	0.0049	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1

Client Sample ID: 2282V-1-B07 (0-3)
Date Collected: 08/15/16 12:35
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-14
Matrix: Solid
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.12**		0.036	0.0071	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Benzo[b]fluoranthene	**0.17**		0.036	0.0079	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Benzo[g,h,i]perylene	**0.091**		0.036	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Chrysene	**0.12**		0.036	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2,4-Dinitrophenol	<0.74		0.74	0.64	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Fluoranthene	**0.19**		0.036	0.0068	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Indeno[1,2,3-cd]pyrene	**0.089**		0.036	0.0095	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2-Methylnaphthalene	<0.074		0.074	0.0067	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1

Client Sample ID: 2282V-1-B07 (0-3)
Date Collected: 08/15/16 12:35
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-14
Matrix: Solid
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Phenanthrene	**0.070**		0.036	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
Pyrene	**0.27**		0.036	0.0073	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*42 - 115*	*08/18/16 15:52*	*08/19/16 18:53*	*1*
2-Fluorophenol	*75*		*40 - 130*	*08/18/16 15:52*	*08/19/16 18:53*	*1*
Nitrobenzene-d5	*57*		*33 - 124*	*08/18/16 15:52*	*08/19/16 18:53*	*1*
Phenol-d5	*68*		*36 - 123*	*08/18/16 15:52*	*08/19/16 18:53*	*1*
Terphenyl-d14	*133*		*25 - 150*	*08/18/16 15:52*	*08/19/16 18:53*	*1*
2,4,6-Tribromophenol	*91*		*25 - 130*	*08/18/16 15:52*	*08/19/16 18:53*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.35**	**J**	1.1	0.23	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Arsenic	**4.3**		0.55	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Barium	**48**		0.55	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Beryllium	**0.28**		0.22	0.048	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Cadmium	**0.37**		0.11	0.032	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Chromium	**11**		0.55	0.095	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Cobalt	**5.3**		0.28	0.062	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Copper	**15**		0.55	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Iron	**9700**	**B**	11	4.2	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Lead	**49**		0.28	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Magnesium	**32000**	**B**	5.5	2.2	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Calcium	**69000**	**B**	110	35	mg/Kg	☼	08/17/16 08:33	08/18/16 17:01	10
Manganese	**440**		0.55	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Nickel	**10**		0.55	0.15	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Selenium	**0.31**	**J**	0.55	0.27	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Silver	<0.28		0.28	0.064	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Vanadium	**14**		0.28	0.080	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Zinc	**61**		1.1	0.35	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Potassium	**650**		28	4.5	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1
Sodium	**700**	**B**	55	7.3	mg/Kg	☼	08/17/16 08:33	08/17/16 18:05	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 09:05	08/18/16 18:39	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		08/18/16 09:05	08/18/16 18:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 18:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 18:39	1

Client Sample ID: 2282V-1-B07 (0-3)

Date Collected: 08/15/16 12:35
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-14

Matrix: Solid
Percent Solids: 87.6

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**340**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 18:39	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:39	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:39	1
Copper	<0.025		0.025	0.010	mg/L		08/22/16 08:40	08/22/16 20:19	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 18:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/22/16 08:40	08/22/16 20:19	1
Magnesium	**140**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:39	1
Manganese	**0.78**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:39	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:39	1
Potassium	**1.9**	**J**	2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:39	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 18:39	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:39	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:39	1
Zinc	**0.32**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.93**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 20:10	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 10:39	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 10:39	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**		0.019	0.010	mg/Kg	☼	08/17/16 15:45	08/18/16 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.17	mg/Kg	☼	08/19/16 11:15	08/19/16 15:37	1
pH	**8.6**		0.2	0.2	SU			08/24/16 15:04	1

Client Sample ID: 2282V-1-B08 (0-3)
Date Collected: 08/15/16 12:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-15
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.021**		0.016	0.0031	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Benzene	<0.0040		0.0040	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Bromodichloromethane	<0.0040		0.0040	0.00067	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Bromoform	<0.0040		0.0040	0.00081	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
2-Butanone (MEK)	<0.0040		0.0040	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Carbon disulfide	<0.0040		0.0040	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Carbon tetrachloride	<0.0040		0.0040	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Chlorobenzene	<0.0040		0.0040	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Chloroethane	<0.0040		0.0040	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Chloroform	<0.0040		0.0040	0.00078	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Chloromethane	<0.0040		0.0040	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
cis-1,2-Dichloroethene	<0.0040		0.0040	0.00081	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
cis-1,3-Dichloropropene	<0.0032		0.0032	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Dibromochloromethane	<0.0040		0.0040	0.00046	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
1,1-Dichloroethane	<0.0040		0.0040	0.00082	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
1,2-Dichloroethane	<0.0040		0.0040	0.00059	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
1,1-Dichloroethene	<0.0040		0.0040	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
1,2-Dichloropropane	<0.0040		0.0040	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
1,3-Dichloropropene, Total	<0.0032		0.0032	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Ethylbenzene	<0.0040		0.0040	0.00099	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Methylene Chloride	<0.0040		0.0040	0.0030	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.00082	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Methyl tert-butyl ether	<0.0040		0.0040	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Styrene	<0.0040		0.0040	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
1,1,2,2-Tetrachloroethane	<0.0040		0.0040	0.00063	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Tetrachloroethene	<0.0040		0.0040	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Toluene	<0.0040		0.0040	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
trans-1,2-Dichloroethene	<0.0040		0.0040	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
trans-1,3-Dichloropropene	<0.0032		0.0032	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
1,1,1-Trichloroethane	<0.0040		0.0040	0.00092	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
1,1,2-Trichloroethane	<0.0040		0.0040	0.00077	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Trichloroethene	<0.0040		0.0040	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Vinyl acetate	<0.0040		0.0040	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Vinyl chloride	<0.0040		0.0040	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1
Xylenes, Total	<0.0080		0.0080	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 120*	*08/16/16 12:00*	*08/17/16 17:02*	*1*
Dibromofluoromethane	*113*		*75 - 120*	*08/16/16 12:00*	*08/17/16 17:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*69 - 134*	*08/16/16 12:00*	*08/17/16 17:02*	*1*
Toluene-d8 (Surr)	*119*		*75 - 123*	*08/16/16 12:00*	*08/17/16 17:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Acenaphthylene	**0.0070**	**J**	0.037	0.0049	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Anthracene	**0.022**	**J**	0.037	0.0062	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Benzo[a]anthracene	**0.11**		0.037	0.0050	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1

Client Sample ID: 2282V-1-B08 (0-3)
Date Collected: 08/15/16 12:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-15
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.14**		0.037	0.0072	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Benzo[b]fluoranthene	**0.25**		0.037	0.0080	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Benzo[g,h,i]perylene	**0.12**		0.037	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Chrysene	**0.16**		0.037	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Dibenz(a,h)anthracene	**0.026**	**J**	0.037	0.0072	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Fluoranthene	**0.23**		0.037	0.0069	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Fluorene	**0.0068**	**J**	0.037	0.0052	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Indeno[1,2,3-cd]pyrene	**0.11**		0.037	0.0096	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2-Methylnaphthalene	**0.018**	**J**	0.075	0.0068	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Naphthalene	**0.0078**	**J**	0.037	0.0057	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1

Client Sample ID: 2282V-1-B08 (0-3)
Date Collected: 08/15/16 12:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-15
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Phenanthrene	**0.12**		0.037	0.0052	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
Pyrene	**0.39**		0.037	0.0074	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*42 - 115*	*08/18/16 15:52*	*08/19/16 19:19*	*1*
2-Fluorophenol	*67*		*40 - 130*	*08/18/16 15:52*	*08/19/16 19:19*	*1*
Nitrobenzene-d5	*55*		*33 - 124*	*08/18/16 15:52*	*08/19/16 19:19*	*1*
Phenol-d5	*60*		*36 - 123*	*08/18/16 15:52*	*08/19/16 19:19*	*1*
Terphenyl-d14	*120*		*25 - 150*	*08/18/16 15:52*	*08/19/16 19:19*	*1*
2,4,6-Tribromophenol	*78*		*25 - 130*	*08/18/16 15:52*	*08/19/16 19:19*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.41**	**J**	1.1	0.22	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Arsenic	**3.8**		0.54	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Barium	**47**		0.54	0.098	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Beryllium	**0.32**		0.22	0.047	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Cadmium	**0.55**		0.11	0.031	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Chromium	**16**		0.54	0.092	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Cobalt	**6.1**		0.27	0.061	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Copper	**20**		0.54	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Iron	**11000**	**B**	11	4.1	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Lead	**200**		0.27	0.13	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Magnesium	**24000**	**B**	5.4	2.2	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Calcium	**53000**	**B**	110	35	mg/Kg	☼	08/17/16 08:33	08/18/16 17:06	10
Manganese	**400**		0.54	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Nickel	**12**		0.54	0.15	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Thallium	<0.54		0.54	0.26	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Vanadium	**15**		0.27	0.078	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Zinc	**93**		1.1	0.34	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Potassium	**560**		27	4.4	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1
Sodium	**1500**	**B**	54	7.1	mg/Kg	☼	08/17/16 08:33	08/17/16 18:10	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 09:05	08/18/16 18:46	1
Barium	**0.62**		0.50	0.050	mg/L		08/18/16 09:05	08/18/16 18:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 18:46	1
Cadmium	**0.0060**		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 18:46	1

Client Sample ID: 2282V-1-B08 (0-3)
Date Collected: 08/15/16 12:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-15
Matrix: Solid
Percent Solids: 85.8

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**250**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 18:46	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:46	1
Cobalt	**0.044**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:46	1
Copper	**0.021**	**J B**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:46	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 18:46	1
Lead	**0.12**	**B**	0.0075	0.0075	mg/L		08/18/16 09:05	08/18/16 18:46	1
Magnesium	**110**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:46	1
Manganese	**8.9**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:46	1
Nickel	**0.036**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:46	1
Potassium	**2.7**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 18:46	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 18:46	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:46	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 18:46	1
Zinc	**0.37**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 18:46	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.0029**	**J**	0.0050	0.0020	mg/L		08/18/16 13:57	08/19/16 20:17	1
Lead	**0.99**		0.0075	0.0075	mg/L		08/18/16 13:57	08/19/16 20:17	1
Manganese	**1.3**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 20:17	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 10:43	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 10:43	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.052**		0.018	0.0093	mg/Kg	☼	08/17/16 15:45	08/18/16 11:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	08/19/16 11:15	08/19/16 15:38	1
pH	**8.3**		0.2	0.2	SU			08/24/16 15:06	1

Client Sample ID: 2282V-1-B09 (0-3)
Date Collected: 08/15/16 13:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-16
Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0033	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Benzene	<0.0042		0.0042	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Bromodichloromethane	<0.0042		0.0042	0.00071	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Bromoform	<0.0042		0.0042	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
2-Butanone (MEK)	<0.0042		0.0042	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Carbon disulfide	<0.0042		0.0042	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Carbon tetrachloride	<0.0042		0.0042	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Chlorobenzene	<0.0042		0.0042	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Chloroethane	<0.0042		0.0042	0.0018	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Chloroform	<0.0042		0.0042	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Chloromethane	<0.0042		0.0042	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
cis-1,2-Dichloroethene	<0.0042		0.0042	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
cis-1,3-Dichloropropene	<0.0034		0.0034	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Dibromochloromethane	<0.0042		0.0042	0.00049	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
1,1-Dichloroethane	<0.0042		0.0042	0.00087	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
1,2-Dichloroethane	<0.0042		0.0042	0.00063	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
1,1-Dichloroethene	<0.0042		0.0042	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
1,2-Dichloropropane	<0.0042		0.0042	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
1,3-Dichloropropene, Total	<0.0034		0.0034	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Ethylbenzene	<0.0042		0.0042	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Methylene Chloride	<0.0042		0.0042	0.0032	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
4-Methyl-2-pentanone (MIBK)	<0.0042		0.0042	0.00087	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Methyl tert-butyl ether	<0.0042		0.0042	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Styrene	<0.0042		0.0042	0.00099	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
1,1,2,2-Tetrachloroethane	<0.0042		0.0042	0.00067	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Tetrachloroethene	<0.0042		0.0042	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Toluene	<0.0042		0.0042	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
trans-1,2-Dichloroethene	<0.0042		0.0042	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
trans-1,3-Dichloropropene	<0.0034		0.0034	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
1,1,1-Trichloroethane	<0.0042		0.0042	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
1,1,2-Trichloroethane	<0.0042		0.0042	0.00082	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Trichloroethene	<0.0042		0.0042	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Vinyl acetate	<0.0042		0.0042	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Vinyl chloride	<0.0042		0.0042	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1
Xylenes, Total	<0.0085		0.0085	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 120*	*08/16/16 12:00*	*08/17/16 17:27*	*1*
Dibromofluoromethane	*115*		*75 - 120*	*08/16/16 12:00*	*08/17/16 17:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*69 - 134*	*08/16/16 12:00*	*08/17/16 17:27*	*1*
Toluene-d8 (Surr)	*117*		*75 - 123*	*08/16/16 12:00*	*08/17/16 17:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Benzo[a]anthracene	**0.016**	**J**	0.039	0.0052	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1

Client Sample ID: 2282V-1-B09 (0-3)
Date Collected: 08/15/16 13:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-16
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
Benzo[a]pyrene	**0.017**	**J**	0.039	0.0076	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Benzo[b]fluoranthene	**0.027**	**J**	0.039	0.0084	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Benzo[g,h,i]perylene	**0.016**	**J**	0.039	0.013	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Chrysene	**0.017**	**J**	0.039	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Fluoranthene	**0.026**	**J**	0.039	0.0072	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Indeno[1,2,3-cd]pyrene	**0.016**	**J**	0.039	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1

Client Sample ID: 2282V-1-B09 (0-3)
Date Collected: 08/15/16 13:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-16
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
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Phenanthrene	**0.0071**	**J**	0.039	0.0054	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
Pyrene	**0.023**	**J**	0.039	0.0078	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*42 - 115*	*08/18/16 15:52*	*08/19/16 12:10*	*1*
2-Fluorophenol	*82*		*40 - 130*	*08/18/16 15:52*	*08/19/16 12:10*	*1*
Nitrobenzene-d5	*63*		*33 - 124*	*08/18/16 15:52*	*08/19/16 12:10*	*1*
Phenol-d5	*72*		*36 - 123*	*08/18/16 15:52*	*08/19/16 12:10*	*1*
Terphenyl-d14	*75*		*25 - 150*	*08/18/16 15:52*	*08/19/16 12:10*	*1*
2,4,6-Tribromophenol	*76*		*25 - 130*	*08/18/16 15:52*	*08/19/16 12:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Arsenic	**6.6**		0.57	0.26	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Barium	**95**		0.57	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Beryllium	**0.55**		0.23	0.049	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Cadmium	**0.20**		0.11	0.033	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Chromium	**16**		0.57	0.098	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Cobalt	**8.4**		0.29	0.065	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Copper	**16**		0.57	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Iron	**17000**	**B**	11	4.4	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Lead	**33**		0.29	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Magnesium	**5100**	**B**	5.7	2.3	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Calcium	**6400**	**B**	11	3.7	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Manganese	**440**		0.57	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Nickel	**17**		0.57	0.15	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Selenium	**0.53**	**J**	0.57	0.28	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Vanadium	**28**		0.29	0.083	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Zinc	**65**		1.1	0.36	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Potassium	**910**		29	4.7	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1
Sodium	**2200**	**B**	57	7.5	mg/Kg	☼	08/17/16 08:33	08/17/16 18:15	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 09:05	08/18/16 19:08	1
Barium	**0.65**		0.50	0.050	mg/L		08/18/16 09:05	08/18/16 19:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 19:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 19:08	1

Client Sample ID: 2282V-1-B09 (0-3)
Date Collected: 08/15/16 13:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-16
Matrix: Solid
Percent Solids: 83.1

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**200**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 19:08	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 19:08	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 19:08	1
Copper	**0.011**	**J B**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 19:08	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 19:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/22/16 08:40	08/22/16 20:26	1
Magnesium	**93**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 19:08	1
Manganese	**4.4**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 19:08	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 19:08	1
Potassium	**3.0**	**F1**	2.5	0.50	mg/L		08/18/16 09:05	08/18/16 19:08	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 19:08	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 19:08	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 19:08	1
Zinc	**0.11**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**2.5**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 20:40	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 10:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 10:47	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:20	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**		0.019	0.0099	mg/Kg	☼	08/17/16 15:45	08/18/16 11:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	08/19/16 11:15	08/19/16 15:39	1
pH	**7.8**		0.2	0.2	SU			08/24/16 15:08	1

Qualifiers

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.
X	Surrogate is outside control limits

Metals

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

Glossary

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

Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-2

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	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact: Matt Weiss
Company: Terracon
Address:
Address:
Phone:
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-115739

Chain of Custody Number:

Page 2 of 5

Temperature °C of Cooler:

Client: IDOT
Client Project #: 1167058 F
Project Name: Work Order 21
Project Location/State: Carpentersville
Lab Project #:
Sampler: Ryan J. Peterson
Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total TAL 23 Inorganics	TCLP TAL 23 Inorganics	SPLP TAL 23 Inorganics	pH				Comments
6		2282V-1-B01 (0-3)	8/15	10:45	6	S	x	x	x	x	x	x				
7		2282V-1-B02 (0-3)	8/15	10:55	6	S	x	x	x	x	x	x				
8		2282V-1-B03 (0-3)	8/15	11:05	6	S	x	x	x	x	x	x				
9		2282V-1-B04 (0-5)	8/15	11:15	6	S	x	x	x	x	x	x				
10		2282V-1-B04 (5-10)	8/15	11:20	6	S	x	x	x	x	x	x				
11		2282V-1-B05 (0-5)	8/15	12:00	6	S	x	x	x	x	x	x				
12		2282V-1-B05 DUP (0-5)	8/15	12:05	6	S	x	x	x	x	x	x				
13		2282V-1-B06 (0-3)	8/15	12:20	6	S	x	x	x	x	x	x				
14		2282V-1-B07 (0-3)	8/15	12:35	6	S	x	x	x	x	x	x				
15		2282V-1-B08 (0-3)	8/15	12:45	6	S	x	x	x	x	x					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Terracon	8/15	17:45	[signature]	Terracon	8/15	17:45
[signature]	Terracon	8/16	9:20	[signature]	TA	8/16/16	09:20
[signature]	TA	8/16/16	1025	[signature]	TA-CHI	8/16/16	1025

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
Place SPLP Analysis on hold pending Terracon Approval

Lab Comments:

8/25/2016

TAL 4124 600 (1209)

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: Matt Weiss
Company: Terracon
Address:
Address:
Phone:
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-115739

Chain of Custody Number:

Page 3 of 5

Temperature °C of Cooler:

Client: IDOT
Client Project #: 11167058F
Project Name: Work Order 21
Project Location/State: Carpentersville
Lab Project #:
Sampler: Ryan J Peterson
Lab PM:

Preservative
Parameter

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TAL 23 (total) Inorganics	TCLP TAL 23 Inorganics	SPLP TAL 23 Inorganics	SPLP TAL 23 Inorganics	pH			Comments
16		2282v-1-B09 (0-3)	8/15	1300	6	S	x	x	x	x	x	x	x			

BJP 8/15

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
[signature]	Terracon	8/15	17:45	[signature]	Terracon	8/15	17:45
[signature]	Terracon	8/16	9:20	[signature]	TA	8/16/16	0820
[signature]	TA	8/16/16	1025	Sherri Scott	TA-CHI	8/16/16	1025

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
Place SPLP Analysis on hold pending Terracon Approval

Lab Comments:

8/25/2016

TAL #104-500 (1209)

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-115739-2

Login Number: 115739
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4,2.7,3.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Illinois Environmental Protection Agency

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 3887- IL 31 at Miller Rd WO#021A Office Phone Number, if available: _____

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

IL 31 (Southbound) IDOT STA 500+00 to 501+80 (ISGS Site 2282V-2)

City: Carpentersville State: IL Zip Code: 60110

County: Kane Township: Dundee

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

Latitude: 42.12769 (Decimal Degrees) Longitude: -88.30094 (-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 Phone: 847-705-4101	Zip Code:	60196 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 3887- IL 31 at Miller Rd WO#021A

Latitude: 42.12769 Longitude: -88.30094

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)]:

Soil from boring B01 was sampled adjacent to ISGS Site No 2282V-2.
See Exhibits 2, 2B and Table 3 of the Preliminary Site Investigation Report prepared by Terracon dated October 7, 2016.

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

TestAmerica Lab Report No J115742-1.
Also see Preliminary Site Investigation Report prepared by Terracon dated October 7, 2016. CCDD/USFO facility in MSA County.

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

I, Matt Weiss (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: Terracon Consultants, Inc

Street Address: 135 Ambassador Drive

City: Naperville State: IL Zip Code: 60540

Phone: 630-717-4263

Matt Weiss
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

10/7/16
Date:

LICENSED PROFESSIONAL GEOLOGIST
Expires 3/31/17
MATTHEW D WEISS
196-001316
ILLINOIS

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

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-2)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-2-B01 (0-5)	2282V-2-B01 (5-10)	2282V-2-B01 (5-10) Dup
				CCDD	Sample Depth (feet)	(0-5)	(5-10)	(5-10)
				mg/kg	Date Collected	08/15/2016	08/15/2016	08/15/2016
		Chicago	MSAs	pH 6.25-9.0				
Semivolatile Organic Analytical Parameters								
Acenaphthene	mg/kg	0.09	0.13	570		<0.039	<0.039	<0.037
Acenaphthylene	mg/kg	0.03	0.07	85		<0.039	<0.039	<0.037
Anthracene	mg/kg	0.25	0.4	12000		0.0066	<0.039	<0.037
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.041	<0.039	0.0077
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.071	<0.039	0.011
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.12	<0.039	0.018
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		0.03	<0.039	<0.037
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.031	<0.039	<0.037
Chrysene	mg/kg	1.2	2.7	88		0.054	<0.039	0.011
Dibenzo(a,h)anthracene	mg/kg	0.2	0.42	0.09		0.0097	<0.039	<0.037
Fluoranthene	mg/kg	2.7	4.1	3100		0.044	<0.039	0.016
Fluorene	mg/kg	0.1	0.18	560		<0.039	<0.039	<0.037
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		0.037	<0.039	0.013
Phenanthrene	mg/kg	1.3	2.5	210		0.023	<0.039	0.0069
Pyrene	mg/kg	1.9	3.0	2300		0.055	<0.039	0.015
Carbazole	mg/kg	---	---	0.6		<0.20	<0.20	<0.19
Inorganic Analytical Parameters								
Arsenic	mg/kg	---	13	11.3		6	4.3	3.5
Barium	mg/kg	---	110	1500		79	53	50
Cadmium	mg/kg	---	0.6	5.2		0.28	0.092	0.22
Chromium, total	mg/kg	---	16.2	21		14	9.6	8.6
Lead	mg/kg	---	36	107		94	7.1	11
Mercury	mg/kg	---	0.06	0.1		0.019	0.029	0.02
Selenium	mg/kg	---	0.48	1.3		0.37	<0.57	<0.57
Silver	mg/kg	---	0.55	4.4		<0.28	<0.29	<0.29
Antimony	mg/kg	---	4.0	5		0.27	<1.1	<1.1
Beryllium	mg/kg	---	0.59	22		0.49	0.38	0.3
Calcium	mg/kg	---	9,300	---		9600	1200	6300
Cobalt	mg/kg	---	8.9	20		9.6	4.6	4.9
Copper	mg/kg	---	19.6	2900		15	8.8	7.7
Cyanide	mg/kg	---	0.51	---		<0.55	<0.57	<0.58
Iron	mg/kg	---	15,900	15000		15000	11000	8600
Magnesium	mg/kg	---	4,820	325000		6700	1600	4400
Manganese	mg/kg	---	636	630		510	240	450
Nickel	mg/kg	---	18	100		16	12	15
Potassium	mg/kg	---	1,268	---		760	540	510
Sodium	mg/kg	---	130	---		2400	620	630
Thallium	mg/kg	---	0.32	2.6		<0.57	<0.57	<0.57
Vanadium	mg/kg	---	25.2	550		22	16	14
Zinc	mg/kg	---	95	5100		64	34	28
pH			6.25	9		8	7.8	8

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-2)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-2-B01 (0-5)	2282V-2-B01 (5-10)	2282V-2-B01 (5-10) Dup
				CCDD	Sample Depth (feet)	(0-5)	(5-10)	(5-10)
				mg/kg	Date Collected	08/15/2016	08/15/2016	08/15/2016
		Chicago	MSAs	pH 6.25-9.0				
Inorganic Analytical Parameters (SPLP)								
Antimony,SPLP	mg/L	---	---	---		--	--	--
Arsenic,SPLP	mg/L	---	---	---		--	--	--
Barium,SPLP	mg/L	---	---	---		--	--	--
Beryllium,SPLP	mg/L	---	---	---		--	--	--
Cadmium,SPLP	mg/L	---	---	---		--	--	--
Calcium,SPLP	mg/L	---	---	---		--	--	--
Chromium,SPLP	mg/L	---	---	---		--	--	--
Cobalt,SPLP	mg/L	---	---	---		--	--	--
Copper,SPLP	mg/L	---	---	---		--	--	--
Iron,SPLP	mg/L	---	---	---		--	--	--
Lead,SPLP	mg/L	---	---	---		0.39	--	--
Magnesium,SPLP	mg/L	---	---	---		--	--	--
Manganese,SPLP	mg/L	---	---	---		2.6	--	1.9
Mercury,SPLP	mg/L	---	---	---		--	--	--
Nickel,SPLP	mg/L	---	---	---		--	--	--
Potassium,SPLP	mg/L	---	---	---		--	--	--
Selenium,SPLP	mg/L	---	---	---		--	--	--
Silver,SPLP	mg/L	---	---	---		--	--	--
Sodium,SPLP	mg/L	---	---	---		--	--	--
Thallium,SPLP	mg/L	---	---	---		--	--	--
Vanadium,SPLP	mg/L	---	---	---		--	--	--
Zinc,SPLP	mg/L	---	---	---		--	--	--
Cyanide,SPLP	mg/L	---	---	---		--	--	--
Inorganic Analytical Parameters (TCLP)								
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.63	0.29	0.54
Cadmium,TCLP	mg/L	---	---	---		0.0028	<0.0050	<0.0050
Chromium,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025
Lead,TCLP	mg/L	---	---	---		0.01	<0.0075	<0.0075
Mercury,TCLP	mg/L	---	---	---		<0.00020	<0.00020	<0.00020
Selenium,TCLP	mg/L	---	---	---		<0.050	<0.050	<0.050
Silver,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025
Antimony,TCLP	mg/L	---	---	---		<0.0060	<0.0060	<0.0060
Beryllium,TCLP	mg/L	---	---	---		<0.0040	<0.0040	<0.0040
Calcium,TCLP	mg/L	---	---	---		240	30	150
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----	----
Iron,TCLP	mg/L	---	---	---		0.2	<0.40	<0.40
Magnesium,TCLP	mg/L	---	---	---		110	7.3	70
Manganese,TCLP	mg/L	---	---	---		0.77	0.027	0.63
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		1	0.96	1.1
Sodium,TCLP	mg/L	---	---	---		----	----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.11	0.058	0.047

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 500-115742-1
Client Project/Site: IDOT - Carpentersville - WO 21

For:
Terracon Consulting Eng & Scientists
135 Ambassador Drive
Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

Jodie Bracken

Authorized for release by:
8/26/2016 3:39:08 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

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

LINKS

Review your project results through TotalAccess

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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.

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Job ID: 500-115742-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-115742-1

Comments
No additional comments.

Receipt
The samples were received on 8/16/2016 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.7º C, 3.0º C and 3.4º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: 2282V-2-B03 (0-3) (500-115742-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010B: The laboratory blank (LB) for preparation batch 500-348119 and 500-348338 contained Copper and Lead above the reporting limit (RL). The sample 2282V-2-B01 (5-10) Dup (500-115742-3) associated with this LB did not contain the target compound; therefore,
re-extraction and/or re-analysis of the sample was not performed.

Method(s) 6010B: The laboratory blank (LB) for preparation batch 500-348119 and 500-348338 contained Copper above the reporting limit (RL). The sample 2282V-2-B03 (0-3) (500-115742-5) associated with this LB did not contain the target compound; therefore, re-extraction and/or re-analysis of the sample was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115742-1

Client Sample ID: 2282V-2-B01 (0-5) — Lab Sample ID: 500-115742-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.0066	J	0.039	0.0066	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.041		0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.071		0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.12	F1	0.039	0.0085	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.030	J	0.039	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.031	J F1	0.039	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.054		0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.0097	J	0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.044		0.039	0.0073	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.037	J	0.039	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.023	J	0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.055	F1	0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.27	J	1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.0		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	79		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.49		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.28	B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	14	B	0.57	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.6		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	15		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	15000	B	11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	94		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	6700		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	9600		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	510		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	16		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.37	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	22		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	64		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	760		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	2400		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.63		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0028	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	240		5.0	0.50	mg/L	1		6010B	TCLP
Iron	0.20	J	0.40	0.20	mg/L	1		6010B	TCLP
Lead	0.010		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.77		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.0	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.11	J B	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.39		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	2.6		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.019		0.017	0.0089	mg/Kg	1	☼	7471B	Total/NA
pH	8.0		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-2-B01 (5-10) — Lab Sample ID: 500-115742-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.3		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	53		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Client Sample ID: 2282V-2-B01 (5-10) (Continued)

Lab Sample ID: 500-115742-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.38		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.092	J B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.6	B	0.57	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.6		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	8.8		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	11000	B	11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	7.1		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	1600		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	1200		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	240		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	12		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	34		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	540		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	620		57	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.29	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	30		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	7.3		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.027		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	0.96	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.058	J B	0.50	0.020	mg/L	1		6010B	TCLP
Mercury	0.029		0.018	0.0093	mg/Kg	1	☼	7471B	Total/NA
pH	7.8		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-2-B01 (5-10) Dup

Lab Sample ID: 500-115742-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0077	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.011	J	0.037	0.0071	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.018	J	0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.011	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.016	J	0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.013	J	0.037	0.0096	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0069	J	0.037	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.015	J	0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Arsenic	3.5		0.57	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	50		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.30		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.22	B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.6	B	0.57	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.9		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	7.7		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	8600	B	11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	11		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	4400		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	6300		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	450		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	15		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	28		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-2-B01 (5-10) Dup (Continued) — Lab Sample ID: 500-115742-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	510		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	630		57	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.54		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	150		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	70		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.63		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.1	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.047	J B	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.9		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.020		0.019	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	8.0		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-2-B02 (0-3) — Lab Sample ID: 500-115742-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.013	J	0.038	0.0065	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.072		0.038	0.0052	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.082		0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.14		0.038	0.0083	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.043		0.038	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.055		0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	0.080	J	0.19	0.073	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.086		0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.17		0.038	0.0072	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.055		0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.081		0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.17		0.038	0.0077	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.38	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.2		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	70		0.54	0.099	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.32		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.33	B	0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	12	B	0.54	0.093	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.2		0.27	0.061	mg/Kg	1	☼	6010B	Total/NA
Copper	14		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	11000	B	11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	470		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	22000		5.4	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	49000		110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	460		0.54	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	11		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.34	J	0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.27	0.079	mg/Kg	1	☼	6010B	Total/NA
Zinc	76		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	600		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	2200		54	7.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.83		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0035	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	290		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.016	J	0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-2-B02 (0-3) (Continued) — Lab Sample ID: 500-115742-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.031		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	97		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	6.2		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.17	J B	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.71		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.9		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.027		0.019	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	8.4		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-2-B03 (0-3) — Lab Sample ID: 500-115742-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.065		0.036	0.0065	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.0098	J	0.036	0.0047	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.76		0.036	0.0060	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	1.9		0.036	0.0048	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	2.0		0.036	0.0070	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.73		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	1.2		0.036	0.011	mg/Kg	1	☼	8270D	Total/NA
Carbazole	0.23		0.18	0.090	mg/Kg	1	☼	8270D	Total/NA
Chrysene	2.0		0.036	0.0098	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.057		0.036	0.0070	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.11		0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.86		0.036	0.0093	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	1.8		0.036	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene - DL	2.8		0.36	0.078	mg/Kg	10	☼	8270D	Total/NA
Fluoranthene - DL	4.3		0.36	0.067	mg/Kg	10	☼	8270D	Total/NA
Pyrene - DL	3.3		0.36	0.071	mg/Kg	10	☼	8270D	Total/NA
Antimony	0.29	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.6		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	19		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.22		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.30	B	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.0	B	0.55	0.094	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.6		0.27	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	13		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	6800	B	11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	100		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	79000		55	22	mg/Kg	10	☼	6010B	Total/NA
Calcium	130000		110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	280		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.6		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	12		0.27	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	46		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	520		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	370		55	7.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.54		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0025	J	0.0050	0.0020	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115742-1

Client Sample ID: 2282V-2-B03 (0-3) (Continued) — Lab Sample ID: 500-115742-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	330		5.0	0.50	mg/L	1		6010B	TCLP
Lead	0.023		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	160		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.4		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.4		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.11	J B	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.53		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	0.63		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.013	J	0.018	0.0093	mg/Kg	1	☼	7471B	Total/NA
pH	8.7		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-2-B04 (0-3) — Lab Sample ID: 500-115742-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.028	J	0.038	0.0064	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.13		0.038	0.0051	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.13		0.038	0.0074	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.23		0.038	0.0082	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.063		0.038	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.079		0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.15		0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.26		0.038	0.0071	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.080		0.038	0.0099	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.011	J	0.077	0.0070	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.14		0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.38		0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.38	J	1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.9		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	76		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.38		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.53	B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	21	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.5		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	23		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	14000	B	11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	290		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	20000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	32000		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	430		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	14		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.37	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.29	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	170		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	670		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1000		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.70		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0048	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	300		5.0	0.50	mg/L	1		6010B	TCLP
Lead	0.017		0.0075	0.0075	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115742-1

Client Sample ID: 2282V-2-B04 (0-3) (Continued)

Lab Sample ID: 500-115742-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	120		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.1		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.8	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.33	J B	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.58		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.9		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.033		0.018	0.0093	mg/Kg	1	☼	7471B	Total/NA
pH	8.7		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115742-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-115742-1	2282V-2-B01 (0-5)	Solid	08/15/16 14:10	08/16/16 10:25
500-115742-2	2282V-2-B01 (5-10)	Solid	08/15/16 14:20	08/16/16 10:25
500-115742-3	2282V-2-B01 (5-10) Dup	Solid	08/15/16 14:25	08/16/16 10:25
500-115742-4	2282V-2-B02 (0-3)	Solid	08/15/16 13:50	08/16/16 10:25
500-115742-5	2282V-2-B03 (0-3)	Solid	08/15/16 13:35	08/16/16 10:25
500-115742-6	2282V-2-B04 (0-3)	Solid	08/15/16 13:25	08/16/16 10:25

Client Sample ID: 2282V-2-B01 (0-5)
Date Collected: 08/15/16 14:10
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-1
Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0032	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Benzene	<0.0041		0.0041	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Bromoform	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
2-Butanone (MEK)	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Carbon tetrachloride	<0.0041		0.0041	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Chlorobenzene	<0.0041		0.0041	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Chloroform	<0.0041		0.0041	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Chloromethane	<0.0041		0.0041	0.00099	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
1,1-Dichloroethane	<0.0041		0.0041	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
1,2-Dichloroethane	<0.0041		0.0041	0.00061	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Styrene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
1,1,2,2-Tetrachloroethane	<0.0041		0.0041	0.00065	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Tetrachloroethene	<0.0041		0.0041	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Vinyl chloride	<0.0041		0.0041	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1
Xylenes, Total	<0.0082		0.0082	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 120*	*08/16/16 12:00*	*08/17/16 11:34*	*1*
Dibromofluoromethane	*96*		*75 - 120*	*08/16/16 12:00*	*08/17/16 11:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*69 - 134*	*08/16/16 12:00*	*08/17/16 11:34*	*1*
Toluene-d8 (Surr)	*94*		*75 - 123*	*08/16/16 12:00*	*08/17/16 11:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Anthracene	**0.0066**	**J**	0.039	0.0066	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Benzo[a]anthracene	**0.041**		0.039	0.0053	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1

Client Sample ID: 2282V-2-B01 (0-5)
Date Collected: 08/15/16 14:10
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-1
Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.071**		0.039	0.0076	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Benzo[b]fluoranthene	**0.12**	**F1**	0.039	0.0085	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Benzo[g,h,i]perylene	**0.030**	**J**	0.039	0.013	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Benzo[k]fluoranthene	**0.031**	**J F1**	0.039	0.012	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Bis(2-ethylhexyl) phthalate	<0.20	F1	0.20	0.072	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Butyl benzyl phthalate	<0.20	F1	0.20	0.075	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Chrysene	**0.054**		0.039	0.011	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Dibenz(a,h)anthracene	**0.0097**	**J**	0.039	0.0076	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2,4-Dinitrophenol	<0.79	F1	0.79	0.69	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Di-n-octyl phthalate	<0.20	F1	0.20	0.064	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Fluoranthene	**0.044**		0.039	0.0073	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Hexachlorocyclopentadiene	<0.79	F1	0.79	0.23	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Indeno[1,2,3-cd]pyrene	**0.037**	**J**	0.039	0.010	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1

Client Sample ID: 2282V-2-B01 (0-5)
Date Collected: 08/15/16 14:10
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-1
Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Pentachlorophenol	<0.79	F1	0.79	0.63	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Phenanthrene	**0.023**	**J**	0.039	0.0055	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
Pyrene	**0.055**	**F1**	0.039	0.0078	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	08/22/16 18:45	08/23/16 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*42 - 115*	*08/22/16 18:45*	*08/23/16 11:39*	*1*
2-Fluorophenol	*89*		*40 - 130*	*08/22/16 18:45*	*08/23/16 11:39*	*1*
Nitrobenzene-d5	*74*		*33 - 124*	*08/22/16 18:45*	*08/23/16 11:39*	*1*
Phenol-d5	*85*		*36 - 123*	*08/22/16 18:45*	*08/23/16 11:39*	*1*
Terphenyl-d14	*93*		*25 - 150*	*08/22/16 18:45*	*08/23/16 11:39*	*1*
2,4,6-Tribromophenol	*74*		*25 - 130*	*08/22/16 18:45*	*08/23/16 11:39*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.27**	**J**	1.1	0.24	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Arsenic	**6.0**		0.57	0.26	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Barium	**79**		0.57	0.10	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Beryllium	**0.49**		0.23	0.049	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Cadmium	**0.28**	**B**	0.11	0.033	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Chromium	**14**	**B**	0.57	0.097	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Cobalt	**9.6**		0.28	0.064	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Copper	**15**		0.57	0.12	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Iron	**15000**	**B**	11	4.4	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Lead	**94**		0.28	0.14	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Magnesium	**6700**		5.7	2.3	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Calcium	**9600**		11	3.6	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Manganese	**510**		0.57	0.11	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Nickel	**16**		0.57	0.15	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Selenium	**0.37**	**J**	0.57	0.28	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Vanadium	**22**		0.28	0.083	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Zinc	**64**		1.1	0.36	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Potassium	**760**		28	4.6	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1
Sodium	**2400**		57	7.5	mg/Kg	☼	08/16/16 15:25	08/17/16 14:10	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 14:40	08/19/16 14:22	1
Barium	**0.63**		0.50	0.050	mg/L		08/18/16 14:40	08/19/16 14:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 14:40	08/19/16 14:22	1
Cadmium	**0.0028**	**J**	0.0050	0.0020	mg/L		08/18/16 14:40	08/19/16 14:22	1

Client Sample ID: 2282V-2-B01 (0-5)
Date Collected: 08/15/16 14:10
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-1
Matrix: Solid
Percent Solids: 84.3

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**240**		5.0	0.50	mg/L		08/18/16 14:40	08/19/16 14:22	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:22	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:22	1
Copper	<0.025		0.025	0.010	mg/L		08/25/16 10:15	08/25/16 19:06	1
Iron	**0.20**	**J**	0.40	0.20	mg/L		08/18/16 14:40	08/19/16 14:22	1
Lead	**0.010**		0.0075	0.0075	mg/L		08/25/16 10:15	08/25/16 19:06	1
Magnesium	**110**		2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:22	1
Manganese	**0.77**		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:22	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:22	1
Potassium	**1.0**	**J**	2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:22	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 14:40	08/19/16 14:22	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:22	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:22	1
Zinc	**0.11**	**J B**	0.50	0.020	mg/L		08/18/16 14:40	08/19/16 14:22	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.39**		0.0075	0.0075	mg/L		08/18/16 15:41	08/19/16 16:34	1
Manganese	**2.6**		0.025	0.010	mg/L		08/18/16 15:41	08/19/16 16:34	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 14:40	08/19/16 11:32	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 14:40	08/19/16 11:32	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 10:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**		0.017	0.0089	mg/Kg	☼	08/17/16 15:45	08/18/16 09:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	08/19/16 11:15	08/19/16 15:31	1
pH	**8.0**		0.2	0.2	SU			08/24/16 15:10	1

Client Sample ID: 2282V-2-B01 (5-10)
Date Collected: 08/15/16 14:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-2
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0032	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Benzene	<0.0042		0.0042	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Bromodichloromethane	<0.0042		0.0042	0.00071	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Bromoform	<0.0042		0.0042	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Bromomethane	<0.0042		0.0042	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
2-Butanone (MEK)	<0.0042		0.0042	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Carbon disulfide	<0.0042		0.0042	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Carbon tetrachloride	<0.0042		0.0042	0.00090	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Chlorobenzene	<0.0042		0.0042	0.00099	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Chloroethane	<0.0042		0.0042	0.0018	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Chloroform	<0.0042		0.0042	0.00082	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Chloromethane	<0.0042		0.0042	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
cis-1,2-Dichloroethene	<0.0042		0.0042	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Dibromochloromethane	<0.0042		0.0042	0.00048	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,1-Dichloroethane	<0.0042		0.0042	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,2-Dichloroethane	<0.0042		0.0042	0.00062	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,1-Dichloroethene	<0.0042		0.0042	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,2-Dichloropropane	<0.0042		0.0042	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Ethylbenzene	<0.0042		0.0042	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Methylene Chloride	<0.0042		0.0042	0.0032	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
4-Methyl-2-pentanone (MIBK)	<0.0042		0.0042	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Methyl tert-butyl ether	<0.0042		0.0042	0.00099	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Styrene	<0.0042		0.0042	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,1,2,2-Tetrachloroethane	<0.0042		0.0042	0.00066	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Tetrachloroethene	<0.0042		0.0042	0.00087	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Toluene	<0.0042		0.0042	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
trans-1,2-Dichloroethene	<0.0042		0.0042	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,1,1-Trichloroethane	<0.0042		0.0042	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,1,2-Trichloroethane	<0.0042		0.0042	0.00081	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Trichloroethene	<0.0042		0.0042	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Vinyl acetate	<0.0042		0.0042	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Vinyl chloride	<0.0042		0.0042	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Xylenes, Total	<0.0084		0.0084	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 120*	*08/16/16 12:00*	*08/17/16 11:58*	*1*
Dibromofluoromethane	*93*		*75 - 120*	*08/16/16 12:00*	*08/17/16 11:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*69 - 134*	*08/16/16 12:00*	*08/17/16 11:58*	*1*
Toluene-d8 (Surr)	*94*		*75 - 123*	*08/16/16 12:00*	*08/17/16 11:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115742-1

Client Sample ID: 2282V-2-B01 (5-10)
Date Collected: 08/15/16 14:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-2
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1

Client Sample ID: 2282V-2-B01 (5-10)
Date Collected: 08/15/16 14:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-2
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	08/22/16 18:45	08/23/16 10:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*42 - 115*	*08/22/16 18:45*	*08/23/16 10:19*	*1*
2-Fluorophenol	*102*		*40 - 130*	*08/22/16 18:45*	*08/23/16 10:19*	*1*
Nitrobenzene-d5	*88*		*33 - 124*	*08/22/16 18:45*	*08/23/16 10:19*	*1*
Phenol-d5	*93*		*36 - 123*	*08/22/16 18:45*	*08/23/16 10:19*	*1*
Terphenyl-d14	*99*		*25 - 150*	*08/22/16 18:45*	*08/23/16 10:19*	*1*
2,4,6-Tribromophenol	*79*		*25 - 130*	*08/22/16 18:45*	*08/23/16 10:19*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Arsenic	**4.3**		0.57	0.26	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Barium	**53**		0.57	0.10	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Beryllium	**0.38**		0.23	0.050	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Cadmium	**0.092**	**J B**	0.11	0.033	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Chromium	**9.6**	**B**	0.57	0.099	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Cobalt	**4.6**		0.29	0.065	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Copper	**8.8**		0.57	0.12	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Iron	**11000**	**B**	11	4.4	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Lead	**7.1**		0.29	0.14	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Magnesium	**1600**		5.7	2.3	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Calcium	**1200**		11	3.7	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Manganese	**240**		0.57	0.11	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Nickel	**12**		0.57	0.16	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Vanadium	**16**		0.29	0.084	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Zinc	**34**		1.1	0.36	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Potassium	**540**		29	4.7	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1
Sodium	**620**		57	7.6	mg/Kg	☼	08/16/16 15:25	08/17/16 14:23	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 14:40	08/19/16 14:27	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		08/18/16 14:40	08/19/16 14:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 14:40	08/19/16 14:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 14:40	08/19/16 14:27	1

Client Sample ID: 2282V-2-B01 (5-10)
Date Collected: 08/15/16 14:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-2
Matrix: Solid
Percent Solids: 82.6

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**30**		5.0	0.50	mg/L		08/18/16 14:40	08/19/16 14:27	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:27	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:27	1
Copper	<0.025		0.025	0.010	mg/L		08/25/16 10:15	08/25/16 19:11	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 14:40	08/19/16 14:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/25/16 10:15	08/25/16 19:11	1
Magnesium	**7.3**		2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:27	1
Manganese	**0.027**		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:27	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:27	1
Potassium	**0.96**	**J**	2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:27	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 14:40	08/19/16 14:27	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:27	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:27	1
Zinc	**0.058**	**J B**	0.50	0.020	mg/L		08/18/16 14:40	08/19/16 14:27	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 14:40	08/19/16 11:36	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 14:40	08/19/16 11:36	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 10:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**		0.018	0.0093	mg/Kg	☼	08/17/16 15:45	08/18/16 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	08/22/16 11:10	08/22/16 14:03	1
pH	**7.8**		0.2	0.2	SU			08/24/16 15:12	1

Client Sample ID: 2282V-2-B01 (5-10) Dup

Date Collected: 08/15/16 14:25
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-3

Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0032	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Benzene	<0.0041		0.0041	0.00092	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Bromodichloromethane	<0.0041		0.0041	0.00070	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Bromoform	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
2-Butanone (MEK)	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Carbon tetrachloride	<0.0041		0.0041	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Chlorobenzene	<0.0041		0.0041	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Chloroform	<0.0041		0.0041	0.00081	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Chloromethane	<0.0041		0.0041	0.00099	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Dibromochloromethane	<0.0041		0.0041	0.00048	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,1-Dichloroethane	<0.0041		0.0041	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,2-Dichloroethane	<0.0041		0.0041	0.00061	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Styrene	<0.0041		0.0041	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,1,2,2-Tetrachloroethane	<0.0041		0.0041	0.00066	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Tetrachloroethene	<0.0041		0.0041	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Vinyl chloride	<0.0041		0.0041	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Xylenes, Total	<0.0083		0.0083	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 120*	*08/16/16 12:00*	*08/17/16 12:23*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/16/16 12:00*	*08/17/16 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*69 - 134*	*08/16/16 12:00*	*08/17/16 12:23*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/16/16 12:00*	*08/17/16 12:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Benzo[a]anthracene	**0.0077**	**J**	0.037	0.0050	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115742-1

Client Sample ID: 2282V-2-B01 (5-10) Dup
Date Collected: 08/15/16 14:25
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-3
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.011**	**J**	0.037	0.0071	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Benzo[b]fluoranthene	**0.018**	**J**	0.037	0.0080	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Carbazole	<0.19		0.19	0.092	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Chrysene	**0.011**	**J**	0.037	0.010	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
1,3-Dichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Diethyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2,6-Dinitrotoluene	<0.19		0.19	0.072	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Fluoranthene	**0.016**	**J**	0.037	0.0068	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Indeno[1,2,3-cd]pyrene	**0.013**	**J**	0.037	0.0096	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
3 & 4 Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1

Client Sample ID: 2282V-2-B01 (5-10) Dup
Date Collected: 08/15/16 14:25
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-3
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
N-Nitrosodiphenylamine	<0.19		0.19	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Phenanthrene	**0.0069**	**J**	0.037	0.0051	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
Pyrene	**0.015**	**J**	0.037	0.0073	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/22/16 18:45	08/23/16 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*42 - 115*	*08/22/16 18:45*	*08/23/16 11:12*	*1*
2-Fluorophenol	*84*		*40 - 130*	*08/22/16 18:45*	*08/23/16 11:12*	*1*
Nitrobenzene-d5	*70*		*33 - 124*	*08/22/16 18:45*	*08/23/16 11:12*	*1*
Phenol-d5	*80*		*36 - 123*	*08/22/16 18:45*	*08/23/16 11:12*	*1*
Terphenyl-d14	*93*		*25 - 150*	*08/22/16 18:45*	*08/23/16 11:12*	*1*
2,4,6-Tribromophenol	*75*		*25 - 130*	*08/22/16 18:45*	*08/23/16 11:12*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Arsenic	**3.5**		0.57	0.27	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Barium	**50**		0.57	0.11	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Beryllium	**0.30**		0.23	0.050	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Cadmium	**0.22**	**B**	0.11	0.033	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Chromium	**8.6**	**B**	0.57	0.099	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Cobalt	**4.9**		0.29	0.065	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Copper	**7.7**		0.57	0.12	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Iron	**8600**	**B**	11	4.4	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Lead	**11**		0.29	0.14	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Magnesium	**4400**		5.7	2.3	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Calcium	**6300**		11	3.7	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Manganese	**450**		0.57	0.11	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Nickel	**15**		0.57	0.16	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Vanadium	**14**		0.29	0.084	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Zinc	**28**		1.1	0.36	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Potassium	**510**		29	4.7	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	1
Sodium	**630**		57	7.6	mg/Kg	☼	08/16/16 15:25	08/17/16 14:28	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		08/18/16 14:40	08/19/16 14:32	1
Barium	**0.54**		0.50	0.050	mg/L		08/18/16 14:40	08/19/16 14:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 14:40	08/19/16 14:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 14:40	08/19/16 14:32	1

Client Sample ID: 2282V-2-B01 (5-10) Dup
Date Collected: 08/15/16 14:25
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-3
Matrix: Solid
Percent Solids: 85.5

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**150**		5.0	0.50	mg/L		08/18/16 14:40	08/19/16 14:32	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:32	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:32	1
Copper	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:32	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 14:40	08/19/16 14:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/18/16 14:40	08/19/16 14:32	1
Magnesium	**70**		2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:32	1
Manganese	**0.63**		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:32	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:32	1
Potassium	**1.1**	**J**	2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:32	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 14:40	08/19/16 14:32	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:32	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:32	1
Zinc	**0.047**	**J B**	0.50	0.020	mg/L		08/18/16 14:40	08/19/16 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.9**		0.025	0.010	mg/L		08/18/16 15:41	08/19/16 16:48	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 14:40	08/19/16 11:40	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 14:40	08/19/16 11:40	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 10:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**		0.019	0.010	mg/Kg	☼	08/17/16 15:45	08/18/16 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	08/22/16 11:10	08/22/16 14:04	1
pH	**8.0**		0.2	0.2	SU			08/24/16 15:14	1

Client Sample ID: 2282V-2-B02 (0-3)
Date Collected: 08/15/16 13:50
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-4
Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0032	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Benzene	<0.0041		0.0041	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Bromoform	<0.0041		0.0041	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
2-Butanone (MEK)	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Carbon tetrachloride	<0.0041		0.0041	0.00087	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Chlorobenzene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Chloroform	<0.0041		0.0041	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Chloromethane	<0.0041		0.0041	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
1,1-Dichloroethane	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
1,2-Dichloroethane	<0.0041		0.0041	0.00061	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Styrene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
1,1,2,2-Tetrachloroethane	<0.0041		0.0041	0.00065	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Tetrachloroethene	<0.0041		0.0041	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Vinyl chloride	<0.0041		0.0041	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1
Xylenes, Total	<0.0082		0.0082	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 120*	*08/16/16 12:00*	*08/17/16 12:47*	*1*
Dibromofluoromethane	*93*		*75 - 120*	*08/16/16 12:00*	*08/17/16 12:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*69 - 134*	*08/16/16 12:00*	*08/17/16 12:47*	*1*
Toluene-d8 (Surr)	*94*		*75 - 123*	*08/16/16 12:00*	*08/17/16 12:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Anthracene	**0.013**	**J**	0.038	0.0065	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Benzo[a]anthracene	**0.072**		0.038	0.0052	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1

Client Sample ID: 2282V-2-B02 (0-3)
Date Collected: 08/15/16 13:50
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-4
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
Benzo[a]pyrene	**0.082**		0.038	0.0075	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Benzo[b]fluoranthene	**0.14**		0.038	0.0083	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Benzo[g,h,i]perylene	**0.043**		0.038	0.012	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Benzo[k]fluoranthene	**0.055**		0.038	0.011	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Butyl benzyl phthalate	**0.080**	**J**	0.19	0.073	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Chrysene	**0.086**		0.038	0.011	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Fluoranthene	**0.17**		0.038	0.0072	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Indeno[1,2,3-cd]pyrene	**0.055**		0.038	0.010	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1

Client Sample ID: 2282V-2-B02 (0-3)
Date Collected: 08/15/16 13:50
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-4
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
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Phenanthrene	**0.081**		0.038	0.0054	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
Pyrene	**0.17**		0.038	0.0077	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/22/16 18:45	08/23/16 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*42 - 115*	*08/22/16 18:45*	*08/23/16 12:05*	*1*
2-Fluorophenol	*95*		*40 - 130*	*08/22/16 18:45*	*08/23/16 12:05*	*1*
Nitrobenzene-d5	*80*		*33 - 124*	*08/22/16 18:45*	*08/23/16 12:05*	*1*
Phenol-d5	*90*		*36 - 123*	*08/22/16 18:45*	*08/23/16 12:05*	*1*
Terphenyl-d14	*117*		*25 - 150*	*08/22/16 18:45*	*08/23/16 12:05*	*1*
2,4,6-Tribromophenol	*81*		*25 - 130*	*08/22/16 18:45*	*08/23/16 12:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.38**	**J**	1.1	0.22	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Arsenic	**4.2**		0.54	0.25	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Barium	**70**		0.54	0.099	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Beryllium	**0.32**		0.22	0.047	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Cadmium	**0.33**	**B**	0.11	0.031	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Chromium	**12**	**B**	0.54	0.093	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Cobalt	**6.2**		0.27	0.061	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Copper	**14**		0.54	0.12	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Iron	**11000**	**B**	11	4.2	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Lead	**470**		0.27	0.13	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Magnesium	**22000**		5.4	2.2	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Calcium	**49000**		110	35	mg/Kg	☼	08/16/16 15:25	08/18/16 16:28	10
Manganese	**460**		0.54	0.11	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Nickel	**11**		0.54	0.15	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Selenium	**0.34**	**J**	0.54	0.27	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Vanadium	**15**		0.27	0.079	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Zinc	**76**		1.1	0.34	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Potassium	**600**		27	4.4	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1
Sodium	**2200**		54	7.2	mg/Kg	☼	08/16/16 15:25	08/17/16 14:32	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 14:40	08/19/16 14:38	1
Barium	**0.83**		0.50	0.050	mg/L		08/18/16 14:40	08/19/16 14:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 14:40	08/19/16 14:38	1
Cadmium	**0.0035**	**J**	0.0050	0.0020	mg/L		08/18/16 14:40	08/19/16 14:38	1

Client Sample ID: 2282V-2-B02 (0-3)
Date Collected: 08/15/16 13:50
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-4
Matrix: Solid
Percent Solids: 85.6

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**290**		5.0	0.50	mg/L		08/18/16 14:40	08/19/16 14:38	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:38	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:38	1
Copper	<0.025		0.025	0.010	mg/L		08/25/16 10:15	08/25/16 19:17	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 14:40	08/19/16 14:38	1
Lead	**0.031**		0.0075	0.0075	mg/L		08/25/16 10:15	08/25/16 19:17	1
Magnesium	**97**		2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:38	1
Manganese	**6.2**		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:38	1
Nickel	**0.018**	**J**	0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:38	1
Potassium	**2.6**		2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:38	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 14:40	08/19/16 14:38	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:38	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:38	1
Zinc	**0.17**	**J B**	0.50	0.020	mg/L		08/18/16 14:40	08/19/16 14:38	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.71**		0.0075	0.0075	mg/L		08/18/16 15:41	08/19/16 16:54	1
Manganese	**1.9**		0.025	0.010	mg/L		08/18/16 15:41	08/19/16 16:54	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 14:40	08/19/16 11:44	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 14:40	08/19/16 11:44	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 10:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.019	0.010	mg/Kg	☼	08/17/16 15:45	08/18/16 10:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	08/22/16 11:10	08/22/16 14:04	1
pH	**8.4**		0.2	0.2	SU			08/24/16 15:16	1

Client Sample ID: 2282V-2-B03 (0-3)

Date Collected: 08/15/16 13:35
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-5

Matrix: Solid
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0030	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Benzene	<0.0039		0.0039	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Bromodichloromethane	<0.0039		0.0039	0.00065	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Bromoform	<0.0039		0.0039	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Bromomethane	<0.0039		0.0039	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
2-Butanone (MEK)	<0.0039		0.0039	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Carbon disulfide	<0.0039		0.0039	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Carbon tetrachloride	<0.0039		0.0039	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Chlorobenzene	<0.0039		0.0039	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Chloroethane	<0.0039		0.0039	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Chloroform	<0.0039		0.0039	0.00075	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Chloromethane	<0.0039		0.0039	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
cis-1,2-Dichloroethene	<0.0039		0.0039	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
cis-1,3-Dichloropropene	<0.0031		0.0031	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Dibromochloromethane	<0.0039		0.0039	0.00044	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
1,1-Dichloroethane	<0.0039		0.0039	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
1,2-Dichloroethane	<0.0039		0.0039	0.00057	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
1,1-Dichloroethene	<0.0039		0.0039	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
1,2-Dichloropropane	<0.0039		0.0039	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
1,3-Dichloropropene, Total	<0.0031		0.0031	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Ethylbenzene	<0.0039		0.0039	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Methylene Chloride	<0.0039		0.0039	0.0029	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
4-Methyl-2-pentanone (MIBK)	<0.0039		0.0039	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Methyl tert-butyl ether	<0.0039		0.0039	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Styrene	<0.0039		0.0039	0.00090	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
1,1,2,2-Tetrachloroethane	<0.0039		0.0039	0.00061	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Tetrachloroethene	<0.0039		0.0039	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Toluene	<0.0039		0.0039	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
trans-1,2-Dichloroethene	<0.0039		0.0039	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
trans-1,3-Dichloropropene	<0.0031		0.0031	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
1,1,1-Trichloroethane	<0.0039		0.0039	0.00090	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
1,1,2-Trichloroethane	<0.0039		0.0039	0.00075	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Trichloroethene	<0.0039		0.0039	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Vinyl acetate	<0.0039		0.0039	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Vinyl chloride	<0.0039		0.0039	0.00092	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1
Xylenes, Total	<0.0077		0.0077	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 120*	*08/16/16 12:00*	*08/17/16 13:11*	*1*
Dibromofluoromethane	*93*		*75 - 120*	*08/16/16 12:00*	*08/17/16 13:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*69 - 134*	*08/16/16 12:00*	*08/17/16 13:11*	*1*
Toluene-d8 (Surr)	*94*		*75 - 123*	*08/16/16 12:00*	*08/17/16 13:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.065**		0.036	0.0065	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Acenaphthylene	**0.0098**	**J**	0.036	0.0047	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Anthracene	**0.76**		0.036	0.0060	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Benzo[a]anthracene	**1.9**		0.036	0.0048	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115742-1

Client Sample ID: 2282V-2-B03 (0-3)
Date Collected: 08/15/16 13:35
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-5
Matrix: Solid
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**2.0**		0.036	0.0070	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Benzo[g,h,i]perylene	**0.73**		0.036	0.012	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Benzo[k]fluoranthene	**1.2**		0.036	0.011	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Carbazole	**0.23**		0.18	0.090	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Chrysene	**2.0**		0.036	0.0098	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Dibenz(a,h)anthracene	**0.057**		0.036	0.0070	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2,4-Dinitrophenol	<0.73		0.73	0.63	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Fluorene	**0.11**		0.036	0.0051	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Hexachlorobenzene	<0.073		0.073	0.0083	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Indeno[1,2,3-cd]pyrene	**0.86**		0.036	0.0093	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2-Methylnaphthalene	<0.073		0.073	0.0066	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1

Client Sample ID: 2282V-2-B03 (0-3)
Date Collected: 08/15/16 13:35
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-5
Matrix: Solid
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Phenanthrene	**1.8**		0.036	0.0050	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	08/22/16 18:45	08/23/16 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*42 - 115*	*08/22/16 18:45*	*08/23/16 12:32*	*1*
2-Fluorophenol	*100*		*40 - 130*	*08/22/16 18:45*	*08/23/16 12:32*	*1*
Nitrobenzene-d5	*85*		*33 - 124*	*08/22/16 18:45*	*08/23/16 12:32*	*1*
Phenol-d5	*90*		*36 - 123*	*08/22/16 18:45*	*08/23/16 12:32*	*1*
Terphenyl-d14	*150*		*25 - 150*	*08/22/16 18:45*	*08/23/16 12:32*	*1*
2,4,6-Tribromophenol	*77*		*25 - 130*	*08/22/16 18:45*	*08/23/16 12:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**2.8**		0.36	0.078	mg/Kg	☼	08/22/16 18:45	08/24/16 16:30	10
Fluoranthene	**4.3**		0.36	0.067	mg/Kg	☼	08/22/16 18:45	08/24/16 16:30	10
Pyrene	**3.3**		0.36	0.071	mg/Kg	☼	08/22/16 18:45	08/24/16 16:30	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.29**	**J**	1.1	0.23	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Arsenic	**2.6**		0.55	0.25	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Barium	**19**		0.55	0.10	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Beryllium	**0.22**		0.22	0.047	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Cadmium	**0.30**	**B**	0.11	0.032	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Chromium	**9.0**	**B**	0.55	0.094	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Cobalt	**2.6**		0.27	0.062	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Copper	**13**		0.55	0.12	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Iron	**6800**	**B**	11	4.2	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Lead	**100**		0.27	0.14	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Magnesium	**79000**		55	22	mg/Kg	☼	08/16/16 15:25	08/18/16 16:32	10
Calcium	**130000**		110	35	mg/Kg	☼	08/16/16 15:25	08/18/16 16:32	10
Manganese	**280**		0.55	0.11	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Nickel	**7.6**		0.55	0.15	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Vanadium	**12**		0.27	0.080	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Zinc	**46**		1.1	0.35	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Potassium	**520**		27	4.4	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1
Sodium	**370**		55	7.2	mg/Kg	☼	08/16/16 15:25	08/17/16 14:37	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 14:40	08/19/16 14:51	1

Client Sample ID: 2282V-2-B03 (0-3)
Date Collected: 08/15/16 13:35
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-5
Matrix: Solid
Percent Solids: 88.4

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.54**		0.50	0.050	mg/L		08/18/16 14:40	08/19/16 14:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 14:40	08/19/16 14:51	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		08/18/16 14:40	08/19/16 14:51	1
Calcium	**330**		5.0	0.50	mg/L		08/18/16 14:40	08/19/16 14:51	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:51	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:51	1
Copper	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:51	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 14:40	08/19/16 14:51	1
Lead	**0.023**		0.0075	0.0075	mg/L		08/25/16 10:15	08/25/16 19:22	1
Magnesium	**160**		2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:51	1
Manganese	**2.4**		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:51	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:51	1
Potassium	**4.4**		2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:51	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 14:40	08/19/16 14:51	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:51	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:51	1
Zinc	**0.11**	**J B**	0.50	0.020	mg/L		08/18/16 14:40	08/19/16 14:51	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.53**		0.0075	0.0075	mg/L		08/18/16 15:41	08/19/16 17:01	1
Manganese	**0.63**		0.025	0.010	mg/L		08/18/16 15:41	08/19/16 17:01	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 14:40	08/19/16 11:48	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 14:40	08/19/16 11:48	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 10:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.018	0.0093	mg/Kg	☼	08/17/16 15:45	08/18/16 10:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	08/22/16 11:10	08/22/16 14:05	1
pH	**8.7**		0.2	0.2	SU			08/24/16 15:18	1

Client Sample ID: 2282V-2-B04 (0-3)
Date Collected: 08/15/16 13:25
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-6
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0031	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Benzene	<0.0040		0.0040	0.00089	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Bromodichloromethane	<0.0040		0.0040	0.00067	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Bromoform	<0.0040		0.0040	0.00081	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
2-Butanone (MEK)	<0.0040		0.0040	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Carbon disulfide	<0.0040		0.0040	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Carbon tetrachloride	<0.0040		0.0040	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Chlorobenzene	<0.0040		0.0040	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Chloroethane	<0.0040		0.0040	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Chloroform	<0.0040		0.0040	0.00078	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Chloromethane	<0.0040		0.0040	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
cis-1,2-Dichloroethene	<0.0040		0.0040	0.00081	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
cis-1,3-Dichloropropene	<0.0032		0.0032	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Dibromochloromethane	<0.0040		0.0040	0.00046	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
1,1-Dichloroethane	<0.0040		0.0040	0.00082	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
1,2-Dichloroethane	<0.0040		0.0040	0.00059	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
1,1-Dichloroethene	<0.0040		0.0040	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
1,2-Dichloropropane	<0.0040		0.0040	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
1,3-Dichloropropene, Total	<0.0032		0.0032	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Ethylbenzene	<0.0040		0.0040	0.00099	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Methylene Chloride	<0.0040		0.0040	0.0030	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.00082	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Methyl tert-butyl ether	<0.0040		0.0040	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Styrene	<0.0040		0.0040	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
1,1,2,2-Tetrachloroethane	<0.0040		0.0040	0.00063	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Tetrachloroethene	<0.0040		0.0040	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Toluene	<0.0040		0.0040	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
trans-1,2-Dichloroethene	<0.0040		0.0040	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
trans-1,3-Dichloropropene	<0.0032		0.0032	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
1,1,1-Trichloroethane	<0.0040		0.0040	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
1,1,2-Trichloroethane	<0.0040		0.0040	0.00077	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Trichloroethene	<0.0040		0.0040	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Vinyl acetate	<0.0040		0.0040	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Vinyl chloride	<0.0040		0.0040	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1
Xylenes, Total	<0.0080		0.0080	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 120*	*08/16/16 12:00*	*08/17/16 13:36*	*1*
Dibromofluoromethane	*96*		*75 - 120*	*08/16/16 12:00*	*08/17/16 13:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*69 - 134*	*08/16/16 12:00*	*08/17/16 13:36*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/16/16 12:00*	*08/17/16 13:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Anthracene	**0.028**	**J**	0.038	0.0064	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Benzo[a]anthracene	**0.13**		0.038	0.0051	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1

Client Sample ID: 2282V-2-B04 (0-3)
Date Collected: 08/15/16 13:25
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-6
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
Benzo[a]pyrene	**0.13**		0.038	0.0074	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Benzo[b]fluoranthene	**0.23**		0.038	0.0082	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Benzo[g,h,i]perylene	**0.063**		0.038	0.012	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Benzo[k]fluoranthene	**0.079**		0.038	0.011	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Chrysene	**0.15**		0.038	0.010	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Fluoranthene	**0.26**		0.038	0.0071	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Indeno[1,2,3-cd]pyrene	**0.080**		0.038	0.0099	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2-Methylnaphthalene	**0.011**	**J**	0.077	0.0070	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1

Client Sample ID: 2282V-2-B04 (0-3)
Date Collected: 08/15/16 13:25
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-6
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
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Phenanthrene	**0.14**		0.038	0.0053	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
Pyrene	**0.38**		0.038	0.0076	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/22/16 18:45	08/23/16 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*42 - 115*	*08/22/16 18:45*	*08/23/16 12:58*	*1*
2-Fluorophenol	*94*		*40 - 130*	*08/22/16 18:45*	*08/23/16 12:58*	*1*
Nitrobenzene-d5	*76*		*33 - 124*	*08/22/16 18:45*	*08/23/16 12:58*	*1*
Phenol-d5	*89*		*36 - 123*	*08/22/16 18:45*	*08/23/16 12:58*	*1*
Terphenyl-d14	*150*		*25 - 150*	*08/22/16 18:45*	*08/23/16 12:58*	*1*
2,4,6-Tribromophenol	*71*		*25 - 130*	*08/22/16 18:45*	*08/23/16 12:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.38**	**J**	1.1	0.24	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Arsenic	**4.9**		0.57	0.26	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Barium	**76**		0.57	0.10	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Beryllium	**0.38**		0.23	0.049	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Cadmium	**0.53**	**B**	0.11	0.033	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Chromium	**21**	**B**	0.57	0.098	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Cobalt	**8.5**		0.29	0.065	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Copper	**23**		0.57	0.12	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Iron	**14000**	**B**	11	4.4	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Lead	**290**		0.29	0.14	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Magnesium	**20000**		5.7	2.3	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Calcium	**32000**		11	3.7	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Manganese	**430**		0.57	0.11	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Nickel	**14**		0.57	0.15	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Selenium	**0.37**	**J**	0.57	0.28	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Vanadium	**18**		0.29	0.083	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Zinc	**170**		1.1	0.36	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Potassium	**670**		29	4.7	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	1
Sodium	**1000**		57	7.5	mg/Kg	☼	08/16/16 15:25	08/17/16 14:42	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		08/18/16 14:40	08/19/16 14:57	1
Barium	**0.70**		0.50	0.050	mg/L		08/18/16 14:40	08/19/16 14:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 14:40	08/19/16 14:57	1
Cadmium	**0.0048**	**J**	0.0050	0.0020	mg/L		08/18/16 14:40	08/19/16 14:57	1

Client Sample ID: 2282V-2-B04 (0-3)
Date Collected: 08/15/16 13:25
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115742-6
Matrix: Solid
Percent Solids: 86.4

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**300**		5.0	0.50	mg/L		08/18/16 14:40	08/19/16 14:57	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:57	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:57	1
Copper	<0.025		0.025	0.010	mg/L		08/25/16 10:15	08/25/16 19:35	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 14:40	08/19/16 14:57	1
Lead	**0.017**		0.0075	0.0075	mg/L		08/25/16 10:15	08/25/16 19:35	1
Magnesium	**120**		2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:57	1
Manganese	**1.1**		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:57	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:57	1
Potassium	**1.8**	**J**	2.5	0.50	mg/L		08/18/16 14:40	08/19/16 14:57	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 14:40	08/19/16 14:57	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:57	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 14:40	08/19/16 14:57	1
Zinc	**0.33**	**J B**	0.50	0.020	mg/L		08/18/16 14:40	08/19/16 14:57	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.58**		0.0075	0.0075	mg/L		08/18/16 15:41	08/19/16 17:08	1
Manganese	**1.9**		0.025	0.010	mg/L		08/18/16 15:41	08/19/16 17:08	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 14:40	08/19/16 11:53	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 14:40	08/19/16 11:53	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 10:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**		0.018	0.0093	mg/Kg	☼	08/17/16 15:45	08/18/16 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.51		0.51	0.17	mg/Kg	☼	08/22/16 11:10	08/22/16 14:05	1
pH	**8.7**		0.2	0.2	SU			08/24/16 15:20	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115742-1

Qualifiers

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.
E	Result exceeded calibration range.
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.

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: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115742-1

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	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534.

500-115742 COC

Chain of Custody Record

Lab Job #: 500-115742-1 8/16/16

Chain of Custody Number:

Page 4 of 5

Temperature °C of Cooler: 3.4, 2.7, 3.0

Report To (optional)	Bill To (optional)
Contact: Matt Weiss	Contact:
Company: Terracon	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail:	PO#/Reference#

Client: IDOT | Client Project #: 1167058F

Project Name: Work Order 21

Project Location/State: Carpentersville | Lab Project #:

Sampler: Ryan S. Peterson | Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total TAL 23 Inorganics	TCLP TAL 23 Inorganics	SPLP TAL 23 Inorganics	pH	Comments
1		2282v-2-B01 (0-5)	8/15	1410	6	S	x	x	x	x	x	x	
2		2282v-2-B01 (5-10)	8/15	1420	6	S	x	x	x	x	x	x	
3		2282v-2-B01 Dup (5-10)	8/15	1425	6	S	x	x	x	x	x	x	
4		2282v-2-B02 (0-3)	8/15	1350	6	S	x	x	x	x	x	x	
5		2282v-2-B03 (0-3)	8/15	1335	6	S	x	x	x	x	x	x	
6		2282v-2-B04 (0-3)	8/15	1325	6	S	x	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
[signature]	Terracon	8/15	17:45	[signature]	Terracon	8/15	17:45
[signature]	Terracon	8/16	9:20	[signature]	TA	8/16/16	0920
[signature]	TA	8/16/16	1025	[signature]	TA-CHI	8/16/16	1025

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: Place SPLP Analysis on Hold pending Terracon Approval

Lab Comments:

TAL-4124-500 (1209)

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-115742-1

Login Number: 115742
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4,2.7,3.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Illinois Environmental Protection Agency

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 3887- IL 31 at Miller Rd WO#021A Office Phone Number, if available: _____

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

IL 31 (Southbound) IDOT STA 490+00 to 492+30 and 494+30 to 496+00 (ISGS Site 2282V-5)

City: Carpentersville State: IL Zip Code: 60110

County: Kane Township: Dundee

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

Latitude: 42.12769 (Decimal Degrees) Longitude: -88.30094 (-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 Phone: 847-705-4101	Zip Code:	60196 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 3887- IL 31 at Miller Rd WO#021A

Latitude: 42.12769 Longitude: -88.30094

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)]:

Soil from borings B01 and B03 were sampled adjacent to ISGS Site No 2282V-5.
See Exhibits 2, 2C and Table 7 of the Preliminary Site Investigation Report prepared by Terracon dated October 7, 2016.

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

TestAmerica Lab Report No J115818-1.
Also see Preliminary Site Investigation Report prepared by Terracon dated October 7, 2016. CCDD/USFO facility in MSA County.

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

I, Matt Weiss (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: Terracon Consultants, Inc

Street Address: 135 Ambassador Drive

City: Naperville State: IL Zip Code: 60540

Phone: 630-717-4263

Matt Weiss
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

10/7/16
Date:

LICENSED PROFESSIONAL GEOLOGIST
Expires 3/31/17
MATTHEW D WEISS
196-001316
ILLINOIS

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

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-5)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-5-B01 (0-6)	2282V-5-B01 (6-12)	2282V-5-B03 (0-6)
				CCDD	Sample Depth (feet)	(0-6)	(6-12)	(0-6)
				mg/kg	Date Collected	08/16/2016	08/16/2016	08/16/2016
		Chicago	MSAs	pH 6.25-9.0				
Semivolatile Organic Analytical Parameters								
Acenaphthene	mg/kg	0.09	0.13	570		0.0074	<0.039	<0.037
Acenaphthylene	mg/kg	0.03	0.07	85		<0.037	<0.039	0.0099
Anthracene	mg/kg	0.25	0.4	12000		0.029	<0.039	0.024
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.22	0.016	0.12
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.36	0.029	0.18
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.67	0.045	0.27
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		0.34	0.024	0.19
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.16	0.012	0.1
Chrysene	mg/kg	1.2	2.7	88		0.3	0.021	0.16
Fluoranthene	mg/kg	2.7	4.1	3100		0.46	0.036	0.19
Fluorene	mg/kg	0.1	0.18	560		0.0094	<0.039	0.0083
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		0.31	0.028	0.19
Phenanthrene	mg/kg	1.3	2.5	210		0.22	0.014	0.14
Pyrene	mg/kg	1.9	3.0	2300		0.85	0.032	0.5
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		0.11	<0.20	<0.19
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.075	<0.080	0.0077
Inorganic Analytical Parameters								
Arsenic	mg/kg	---	13	11.3		4.7	5.7	3.5
Barium	mg/kg	---	110	1500		53	68	61
Cadmium	mg/kg	---	0.6	5.2		0.21	0.21	0.39
Chromium, total	mg/kg	---	16.2	21		14	11	12
Lead	mg/kg	---	36	107		23	11	93
Mercury	mg/kg	---	0.06	0.1		0.033	0.025	0.045
Selenium	mg/kg	---	0.48	1.3		0.5	<0.60	0.39
Silver	mg/kg	---	0.55	4.4		<0.27	<0.30	<0.28
Antimony	mg/kg	---	4.0	5		0.43	0.45	0.34
Beryllium	mg/kg	---	0.59	22		0.35	0.41	0.29
Calcium	mg/kg	---	9,300	---		15000	2300	26000
Cobalt	mg/kg	---	8.9	20		8.5	8.7	5.6
Copper	mg/kg	---	19.6	2900		13	13	12
Cyanide	mg/kg	---	0.51	---		<0.50	<0.57	<0.52
Iron	mg/kg	---	15,900	15000		11000	13000	8600
Magnesium	mg/kg	---	4,820	325000		8700	2100	15000
Manganese	mg/kg	---	636	630		510	540	500
Nickel	mg/kg	---	18	100		13	23	12
Potassium	mg/kg	---	1,268	---		670	720	640
Sodium	mg/kg	---	130	---		910	810	1600
Thallium	mg/kg	---	0.32	2.6		<0.54	<0.60	<0.57
Vanadium	mg/kg	---	25.2	550		19	21	14
Zinc	mg/kg	---	95	5100		48	38	46
pH			6.25	9		8.8	8.3	8.7

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-5)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-5-B01 (0-6)	2282V-5-B01 (6-12)	2282V-5-B03 (0-6)
				CCDD	Sample Depth (feet)	(0-6)	(6-12)	(0-6)
				mg/kg	Date Collected	08/16/2016	08/16/2016	08/16/2016
		Chicago	MSAs	pH 6.25-9.0				
Inorganic Analytical Parameters (SPLP)								
Antimony,SPLP	mg/L	---	---	---		--	--	--
Arsenic,SPLP	mg/L	---	---	---		--	--	--
Barium,SPLP	mg/L	---	---	---		--	--	--
Beryllium,SPLP	mg/L	---	---	---		--	--	--
Cadmium,SPLP	mg/L	---	---	---		--	--	--
Calcium,SPLP	mg/L	---	---	---		--	--	--
Chromium,SPLP	mg/L	---	---	---		--	--	--
Cobalt,SPLP	mg/L	---	---	---		--	--	--
Copper,SPLP	mg/L	---	---	---		--	--	--
Iron,SPLP	mg/L	---	---	---		--	--	--
Lead,SPLP	mg/L	---	---	---		--	--	0.41
Magnesium,SPLP	mg/L	---	---	---		--	--	--
Manganese,SPLP	mg/L	---	---	---		1.6	--	1
Mercury,SPLP	mg/L	---	---	---		--	--	--
Nickel,SPLP	mg/L	---	---	---		--	--	--
Potassium,SPLP	mg/L	---	---	---		--	--	--
Selenium,SPLP	mg/L	---	---	---		--	--	--
Silver,SPLP	mg/L	---	---	---		--	--	--
Sodium,SPLP	mg/L	---	---	---		--	--	--
Thallium,SPLP	mg/L	---	---	---		--	--	--
Vanadium,SPLP	mg/L	---	---	---		--	--	--
Zinc,SPLP	mg/L	---	---	---		--	--	--
Cyanide,SPLP	mg/L	---	---	---		--	--	--
Inorganic Analytical Parameters (TCLP)								
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.42	0.32	0.47
Cadmium,TCLP	mg/L	---	---	---		0.0023	<0.0050	0.0034
Chromium,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025
Lead,TCLP	mg/L	---	---	---		<0.0075	<0.0075	0.014
Mercury,TCLP	mg/L	---	---	---		<0.00020	<0.00020	<0.00020
Selenium,TCLP	mg/L	---	---	---		<0.050	<0.050	<0.050
Silver,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025
Antimony,TCLP	mg/L	---	---	---		<0.0060	<0.0060	<0.0060
Beryllium,TCLP	mg/L	---	---	---		<0.0040	<0.0040	<0.0040
Calcium,TCLP	mg/L	---	---	---		340	52	310
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025	0.13
Cyanide,TCLP	mg/L	---	---	---		----	----	----
Iron,TCLP	mg/L	---	---	---		<0.40	<0.40	<0.40
Magnesium,TCLP	mg/L	---	---	---		170	19	99
Manganese,TCLP	mg/L	---	---	---		1.2	0.12	0.88
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		1.7	1.3	1.9
Sodium,TCLP	mg/L	---	---	---		----	----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.098	0.027	0.19

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-5)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-5-B03 (6-12)
				CCDD	Sample Depth (feet)	(6-12)
				mg/kg	Date Collected	08/16/2016
		Chicago	MSAs	pH 6.25-9.0		
Semivolatile Organic Analytical Parameters						
Acenaphthene	mg/kg	0.09	0.13	570		<0.039
Acenaphthylene	mg/kg	0.03	0.07	85		<0.039
Anthracene	mg/kg	0.25	0.4	12000		0.014
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.078
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.14
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.23
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		0.15
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.069
Chrysene	mg/kg	1.2	2.7	88		0.12
Fluoranthene	mg/kg	2.7	4.1	3100		0.18
Fluorene	mg/kg	0.1	0.18	560		<0.039
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		0.13
Phenanthrene	mg/kg	1.3	2.5	210		0.11
Pyrene	mg/kg	1.9	3.0	2300		0.36
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.20
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.080
Inorganic Analytical Parameters						
Arsenic	mg/kg	---	13	11.3		4.1
Barium	mg/kg	---	110	1500		37
Cadmium	mg/kg	---	0.6	5.2		0.18
Chromium, total	mg/kg	---	16.2	21		9.4
Lead	mg/kg	---	36	107		8
Mercury	mg/kg	---	0.06	0.1		0.023
Selenium	mg/kg	---	0.48	1.3		<0.58
Silver	mg/kg	---	0.55	4.4		<0.29
Antimony	mg/kg	---	4.0	5		0.3
Beryllium	mg/kg	---	0.59	22		0.31
Calcium	mg/kg	---	9,300	---		4000
Cobalt	mg/kg	---	8.9	20		7
Copper	mg/kg	---	19.6	2900		11
Cyanide	mg/kg	---	0.51	---		<0.55
Iron	mg/kg	---	15,900	15000		10000
Magnesium	mg/kg	---	4,820	325000		2900
Manganese	mg/kg	---	636	630		390
Nickel	mg/kg	---	18	100		17
Potassium	mg/kg	---	1,268	---		630
Sodium	mg/kg	---	130	---		710
Thallium	mg/kg	---	0.32	2.6		<0.58
Vanadium	mg/kg	---	25.2	550		16
Zinc	mg/kg	---	95	5100		28
pH			6.25	9		8.6

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-5)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-5-B03 (6-12)
				CCDD	Sample Depth (feet)	(6-12)
				mg/kg	Date Collected	08/16/2016
		Chicago	MSAs	pH 6.25-9.0		
Inorganic Analytical Parameters (SPLP)						
Antimony,SPLP	mg/L	---	---	---		--
Arsenic,SPLP	mg/L	---	---	---		--
Barium,SPLP	mg/L	---	---	---		--
Beryllium,SPLP	mg/L	---	---	---		--
Cadmium,SPLP	mg/L	---	---	---		--
Calcium,SPLP	mg/L	---	---	---		--
Chromium,SPLP	mg/L	---	---	---		--
Cobalt,SPLP	mg/L	---	---	---		--
Copper,SPLP	mg/L	---	---	---		--
Iron,SPLP	mg/L	---	---	---		--
Lead,SPLP	mg/L	---	---	---		0.1
Magnesium,SPLP	mg/L	---	---	---		--
Manganese,SPLP	mg/L	---	---	---		1.4
Mercury,SPLP	mg/L	---	---	---		--
Nickel,SPLP	mg/L	---	---	---		--
Potassium,SPLP	mg/L	---	---	---		--
Selenium,SPLP	mg/L	---	---	---		--
Silver,SPLP	mg/L	---	---	---		--
Sodium,SPLP	mg/L	---	---	---		--
Thallium,SPLP	mg/L	---	---	---		--
Vanadium,SPLP	mg/L	---	---	---		--
Zinc,SPLP	mg/L	---	---	---		--
Cyanide,SPLP	mg/L	---	---	---		--
Inorganic Analytical Parameters (TCLP)						
Arsenic,TCLP	mg/L	---	---	---		<0.050
Barium,TCLP	mg/L	---	---	---		0.32
Cadmium,TCLP	mg/L	---	---	---		0.002
Chromium,TCLP	mg/L	---	---	---		<0.025
Lead,TCLP	mg/L	---	---	---		0.0082
Mercury,TCLP	mg/L	---	---	---		<0.00020
Selenium,TCLP	mg/L	---	---	---		<0.050
Silver,TCLP	mg/L	---	---	---		<0.025
Antimony,TCLP	mg/L	---	---	---		<0.0060
Beryllium,TCLP	mg/L	---	---	---		<0.0040
Calcium,TCLP	mg/L	---	---	---		98
Cobalt,TCLP	mg/L	---	---	---		<0.025
Copper,TCLP	mg/L	---	---	---		0.21
Cyanide,TCLP	mg/L	---	---	---		----
Iron,TCLP	mg/L	---	---	---		<0.40
Magnesium,TCLP	mg/L	---	---	---		37
Manganese,TCLP	mg/L	---	---	---		0.4
Nickel,TCLP	mg/L	---	---	---		0.016
Potassium,TCLP	mg/L	---	---	---		3
Sodium,TCLP	mg/L	---	---	---		----
Thallium,TCLP	mg/L	---	---	---		<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025
Zinc,TCLP	mg/L	---	---	---		0.14

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: 500-115818-1
Client Project/Site: IDOT - Carpentersville - WO 21
Revision: 1

For:
Terracon Consulting Eng & Scientists
135 Ambassador Drive
Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

Authorized for release by:
9/8/2016 4:28:49 PM

Richard Wright, Senior Project Manager
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LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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

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

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

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Job ID: 500-115818-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-115818-1

Report Revision
Laboratory sample -3 was reanalyzed and reported for semivolatiles at a 1x dilution.

Receipt
The samples were received on 8/17/2016 11:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.7º C and 3.2º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) for 348242 recovered outside control limits for the following analytes: 1,1,2,2-Tetrachloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: One base surrogate and/or one acid surrogate failed to meet control limits for the following samples: 2282V-5-B01 (0-6) (500-115818-1), 2282V-5-B02 (0-6) (500-115818-3), 2282V-5-B02 (6-12) (500-115818-4), 2282V-5-B03 (0-6) (500-115818-5) and 2282V-5-B03 (6-12) (500-115818-6). Our SOP allows for one acid and/or one base surrogate to fail control limits in each sample. The data has been reported.

Method(s) 8270D: This sample was originally reported at a 5x dilution, but due to the client's reporting limits, the samples were run at a 1x and reported.2282V-5-B02 (0-6) (500-115818-3)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

Client Sample ID: 2282V-5-B01 (0-6) — Lab Sample ID: 500-115818-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.0074	J	0.037	0.0067	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.029	J	0.037	0.0062	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.22		0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.36		0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.67		0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.34		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.16		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	0.11	J	0.19	0.068	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.30		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.46		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0094	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.31		0.037	0.0096	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.22		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.85		0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.43	J F1	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.7	F1	0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	53	F1	0.54	0.098	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.35		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21	B	0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	14	F1	0.54	0.092	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.5		0.27	0.061	mg/Kg	1	☼	6010B	Total/NA
Copper	13		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	11000	F2	11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	23		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	8700	B F2	5.4	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	15000	B F2	54	17	mg/Kg	5	☼	6010B	Total/NA
Manganese	510	B F2	0.54	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	13		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.50	J F1	0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19	F1	0.27	0.079	mg/Kg	1	☼	6010B	Total/NA
Zinc	48		5.4	1.7	mg/Kg	5	☼	6010B	Total/NA
Potassium	670	F1	27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	910	F1 F2	54	7.1	mg/Kg	1	☼	6010B	Total/NA
Barium	0.42	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0023	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	340		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	170		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.2		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.7	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.098	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.6	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.033		0.017	0.0090	mg/Kg	1	☼	7471B	Total/NA
pH	8.8		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-5-B01 (6-12) — Lab Sample ID: 500-115818-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.016	J	0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.029	J	0.039	0.0077	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.045		0.039	0.0085	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: 2282V-5-B01 (6-12) (Continued) — Lab Sample ID: 500-115818-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	0.024	J	0.039	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.012	J	0.039	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.021	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.036	J	0.039	0.0073	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.028	J	0.039	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.014	J	0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.032	J	0.039	0.0079	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.45	J	1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.7		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	68		0.60	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.41		0.24	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21	B	0.12	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	11		0.60	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.7		0.30	0.068	mg/Kg	1	☼	6010B	Total/NA
Copper	13		0.60	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	13000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	11		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2100	B	6.0	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	2300	B	12	3.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	540	B	0.60	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	23		0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.30	0.088	mg/Kg	1	☼	6010B	Total/NA
Zinc	38		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	720		30	4.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	810		60	7.9	mg/Kg	1	☼	6010B	Total/NA
Barium	0.32	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	52		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	19		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.12		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.3	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.027	J	0.50	0.020	mg/L	1		6010B	TCLP
Mercury	0.025		0.020	0.011	mg/Kg	1	☼	7471B	Total/NA
pH	8.3		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-5-B02 (0-6) — Lab Sample ID: 500-115818-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.0069	J	0.037	0.0066	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.013	J	0.037	0.0049	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.048		0.037	0.0062	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.19		0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.34		0.037	0.0071	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.33		0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.19		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.20		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.31		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.036	J	0.037	0.0071	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.43		0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.012	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.18		0.037	0.0096	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-5-B02 (0-6) (Continued)

Lab Sample ID: 500-115818-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.0092	J	0.074	0.0068	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.0059	J	0.037	0.0057	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.18		0.037	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.63		0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.53	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.0		0.53	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	47		0.53	0.098	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.23		0.21	0.046	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.30	B	0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.7		0.53	0.092	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.8		0.27	0.060	mg/Kg	1	☼	6010B	Total/NA
Copper	9.9		0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	7900		11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	110		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	15000	B	5.3	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	26000	B	11	3.4	mg/Kg	1	☼	6010B	Total/NA
Manganese	390	B	0.53	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	8.2		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.41	J	0.53	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.27	0.078	mg/Kg	1	☼	6010B	Total/NA
Zinc	43		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	490		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	890		53	7.1	mg/Kg	1	☼	6010B	Total/NA
Barium	0.50		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0028	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	260		5.0	0.50	mg/L	1		6010B	TCLP
Lead	0.014		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	4.2		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.1	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.080	J	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.43		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.5	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.055		0.018	0.0094	mg/Kg	1	☼	7471B	Total/NA
pH	8.8		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-5-B02 (6-12)

Lab Sample ID: 500-115818-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.042		0.038	0.0051	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.082		0.038	0.0074	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.12		0.038	0.0082	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.090		0.038	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.043		0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.056		0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.072		0.038	0.0071	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.078		0.038	0.0099	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.029	J	0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.15		0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.34	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-5-B02 (6-12) (Continued) — Lab Sample ID: 500-115818-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.3		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	46		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.32		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.17	B	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	10		0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.4		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	8.8		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	9700		11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	8.5		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	4700	B	5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	7500	B	11	3.5	mg/Kg	1	☼	6010B	Total/NA
Manganese	330	B	0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	14		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.37	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.28	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	27		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	570		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	760		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.39	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	100		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.20		0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	37		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.60		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.4	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.19	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.6	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.025		0.020	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	8.4		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-5-B03 (0-6) — Lab Sample ID: 500-115818-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.0099	J	0.037	0.0049	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.024	J	0.037	0.0063	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.12		0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.18		0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.27		0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.19		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.10		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.16		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.19		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0083	J	0.037	0.0053	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.19		0.037	0.0097	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.0077	J	0.075	0.0069	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.14		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.50		0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.34	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.5		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	61		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-5-B03 (0-6) (Continued) — Lab Sample ID: 500-115818-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.29		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.39	B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	12		0.57	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.6		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	12		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	8600		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	93		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	15000	B	5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	26000	B	11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	500	B	0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	12		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.39	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	46		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	640		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1600		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.47	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0034	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	310		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.13		0.025	0.010	mg/L	1		6010B	TCLP
Lead	0.014		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	99		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.88		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.9	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.19	J	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.41		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.0	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.045		0.018	0.0092	mg/Kg	1	☼	7471B	Total/NA
pH	8.7		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-5-B03 (6-12) — Lab Sample ID: 500-115818-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.014	J	0.039	0.0066	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.078		0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.14		0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.23		0.039	0.0085	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.15		0.039	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.069		0.039	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.12		0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.18		0.039	0.0073	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.13		0.039	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.11		0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.36		0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.30	J	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.1		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	37		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.31		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18	B	0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.4		0.58	0.10	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-5-B03 (6-12) (Continued) — Lab Sample ID: 500-115818-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	7.0		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	11		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	10000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	8.0		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2900	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	4000	B	12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	390	B	0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	17		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	28		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	630		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	710		58	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.32	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0020	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	98		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.21		0.025	0.010	mg/L	1		6010B	TCLP
Lead	0.0082		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	37		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.40		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.016	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.0	B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.14	J	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.10		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.4	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.023		0.017	0.0091	mg/Kg	1	☼	7471B	Total/NA
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-5-B04 (0-5) — Lab Sample ID: 500-115818-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.019	J	0.071	0.0065	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.0075	J	0.035	0.0054	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.017	J	0.035	0.0049	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.0090	J	0.035	0.0070	mg/Kg	1	☼	8270D	Total/NA
Arsenic	2.3		0.51	0.24	mg/Kg	1	☼	6010B	Total/NA
Barium	33		0.51	0.094	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.24		0.21	0.044	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18	B	0.10	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.9		0.51	0.088	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.0		0.26	0.058	mg/Kg	1	☼	6010B	Total/NA
Copper	7.4		0.51	0.11	mg/Kg	1	☼	6010B	Total/NA
Iron	6700		10	4.0	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.26	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	16000	B	5.1	2.1	mg/Kg	1	☼	6010B	Total/NA
Calcium	30000	B	10	3.3	mg/Kg	1	☼	6010B	Total/NA
Manganese	270	B	0.51	0.10	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.3		0.51	0.14	mg/Kg	1	☼	6010B	Total/NA
Vanadium	11		0.26	0.075	mg/Kg	1	☼	6010B	Total/NA
Zinc	26		1.0	0.33	mg/Kg	1	☼	6010B	Total/NA
Potassium	640		26	4.2	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-5-B04 (0-5) (Continued) — Lab Sample ID: 500-115818-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	800		51	6.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.23	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0024	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	330		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.43		0.025	0.010	mg/L	1		6010B	TCLP
Lead	0.017		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	68		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.4		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.9	B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.34	J	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.070		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	0.97	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.028		0.017	0.0088	mg/Kg	1	☼	7471B	Total/NA
pH	9.5		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-5-B04 (5-10) — Lab Sample ID: 500-115818-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.015	J	0.041	0.0055	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.020	J	0.041	0.0079	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.026	J	0.041	0.0088	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.023	J	0.041	0.013	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.023	J	0.041	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.029	J	0.041	0.0076	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.015	J	0.041	0.011	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.017	J	0.041	0.0057	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.032	J	0.041	0.0081	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.47	J	1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.7		0.61	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	52		0.61	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.45		0.24	0.053	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.17	B	0.12	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	13		0.61	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	7.8		0.30	0.069	mg/Kg	1	☼	6010B	Total/NA
Copper	11		0.61	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	14000		12	4.7	mg/Kg	1	☼	6010B	Total/NA
Lead	9.5		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	11000	B	6.1	2.5	mg/Kg	1	☼	6010B	Total/NA
Calcium	16000	B	12	3.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	250	B	0.61	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	19		0.61	0.17	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.49	J	0.61	0.30	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.30	0.089	mg/Kg	1	☼	6010B	Total/NA
Zinc	36		1.2	0.39	mg/Kg	1	☼	6010B	Total/NA
Potassium	790		30	5.0	mg/Kg	1	☼	6010B	Total/NA
Sodium	1200		61	8.0	mg/Kg	1	☼	6010B	Total/NA
Barium	0.46	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	310		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	160		2.5	0.50	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

Client Sample ID: 2282V-5-B04 (5-10) (Continued)

Lab Sample ID: 500-115818-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	0.081		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.8	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.032	J	0.50	0.020	mg/L	1		6010B	TCLP
Mercury	0.033		0.019	0.0098	mg/Kg	1	☼	7471B	Total/NA
pH	8.9		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-115818-1	2282V-5-B01 (0-6)	Solid	08/16/16 10:30	08/17/16 11:45
500-115818-2	2282V-5-B01 (6-12)	Solid	08/16/16 10:40	08/17/16 11:45
500-115818-3	2282V-5-B02 (0-6)	Solid	08/16/16 09:55	08/17/16 11:45
500-115818-4	2282V-5-B02 (6-12)	Solid	08/16/16 10:05	08/17/16 11:45
500-115818-5	2282V-5-B03 (0-6)	Solid	08/16/16 09:25	08/17/16 11:45
500-115818-6	2282V-5-B03 (6-12)	Solid	08/16/16 09:35	08/17/16 11:45
500-115818-7	2282V-5-B04 (0-5)	Solid	08/16/16 09:00	08/17/16 11:45
500-115818-8	2282V-5-B04 (5-10)	Solid	08/16/16 09:15	08/17/16 11:45

Client Sample ID: 2282V-5-B01 (0-6)
Date Collected: 08/16/16 10:30
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-1
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0032	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Benzene	<0.0041		0.0041	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Bromoform	<0.0041		0.0041	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
2-Butanone (MEK)	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Carbon tetrachloride	<0.0041		0.0041	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Chlorobenzene	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Chloroform	<0.0041		0.0041	0.00080	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Chloromethane	<0.0041		0.0041	0.00098	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
1,1-Dichloroethane	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
1,2-Dichloroethane	<0.0041		0.0041	0.00061	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Styrene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
1,1,2,2-Tetrachloroethane	<0.0041	*	0.0041	0.00065	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Tetrachloroethene	<0.0041		0.0041	0.00085	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00095	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Vinyl chloride	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1
Xylenes, Total	<0.0082		0.0082	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 120*	*08/17/16 16:52*	*08/18/16 10:47*	*1*
Dibromofluoromethane	*95*		*75 - 120*	*08/17/16 16:52*	*08/18/16 10:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*69 - 134*	*08/17/16 16:52*	*08/18/16 10:47*	*1*
Toluene-d8 (Surr)	*94*		*75 - 123*	*08/17/16 16:52*	*08/18/16 10:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0074**	**J**	0.037	0.0067	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Anthracene	**0.029**	**J**	0.037	0.0062	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Benzo[a]anthracene	**0.22**		0.037	0.0050	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

Client Sample ID: 2282V-5-B01 (0-6)
Date Collected: 08/16/16 10:30
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-1
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.36**		0.037	0.0072	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Benzo[b]fluoranthene	**0.67**		0.037	0.0080	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Benzo[g,h,i]perylene	**0.34**		0.037	0.012	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Benzo[k]fluoranthene	**0.16**		0.037	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Bis(2-ethylhexyl) phthalate	**0.11**	**J**	0.19	0.068	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Chrysene	**0.30**		0.037	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Fluoranthene	**0.46**		0.037	0.0069	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Fluorene	**0.0094**	**J**	0.037	0.0052	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Indeno[1,2,3-cd]pyrene	**0.31**		0.037	0.0096	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1

Client Sample ID: 2282V-5-B01 (0-6)
Date Collected: 08/16/16 10:30
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-1
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Phenanthrene	**0.22**		0.037	0.0052	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
Pyrene	**0.85**		0.037	0.0074	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*42 - 115*	*08/19/16 07:23*	*08/24/16 17:09*	*1*
2-Fluorophenol	*100*		*40 - 130*	*08/19/16 07:23*	*08/24/16 17:09*	*1*
Nitrobenzene-d5	*85*		*33 - 124*	*08/19/16 07:23*	*08/24/16 17:09*	*1*
Phenol-d5	*83*		*36 - 123*	*08/19/16 07:23*	*08/24/16 17:09*	*1*
Terphenyl-d14	*180*	*X*	*25 - 150*	*08/19/16 07:23*	*08/24/16 17:09*	*1*
2,4,6-Tribromophenol	*71*		*25 - 130*	*08/19/16 07:23*	*08/24/16 17:09*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.43**	**J F1**	1.1	0.22	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Arsenic	**4.7**	**F1**	0.54	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Barium	**53**	**F1**	0.54	0.098	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Beryllium	**0.35**		0.22	0.047	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Cadmium	**0.21**	**B**	0.11	0.031	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Chromium	**14**	**F1**	0.54	0.092	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Cobalt	**8.5**		0.27	0.061	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Copper	**13**		0.54	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Iron	**11000**	**F2**	11	4.1	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Lead	**23**		0.27	0.13	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Magnesium	**8700**	**B F2**	5.4	2.2	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Calcium	**15000**	**B F2**	54	17	mg/Kg	☼	08/18/16 15:05	08/24/16 11:02	5
Manganese	**510**	**B F2**	0.54	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Nickel	**13**		0.54	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Selenium	**0.50**	**J F1**	0.54	0.27	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Thallium	<0.54	F1	0.54	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Vanadium	**19**	**F1**	0.27	0.079	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Zinc	**48**		5.4	1.7	mg/Kg	☼	08/18/16 15:05	08/24/16 11:02	5
Potassium	**670**	**F1**	27	4.4	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1
Sodium	**910**	**F1 F2**	54	7.1	mg/Kg	☼	08/18/16 15:05	08/23/16 12:18	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 20:46	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 20:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 20:46	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 20:46	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

Client Sample ID: 2282V-5-B01 (0-6)
Date Collected: 08/16/16 10:30
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-1
Matrix: Solid
Percent Solids: 88.5

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**340**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 20:46	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:46	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:46	1
Copper	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:46	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 20:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 20:46	1
Magnesium	**170**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 20:46	1
Manganese	**1.2**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:46	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:46	1
Potassium	**1.7**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 20:46	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 20:46	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:46	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:46	1
Zinc	**0.098**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 20:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.6**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 17:09	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 18:29	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 18:29	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**		0.017	0.0090	mg/Kg	☼	08/18/16 13:38	08/19/16 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.50		0.50	0.16	mg/Kg	☼	08/23/16 11:10	08/23/16 15:47	1
pH	**8.8**		0.2	0.2	SU			08/25/16 12:50	1

Client Sample ID: 2282V-5-B01 (6-12)
Date Collected: 08/16/16 10:40
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-2
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0035	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Carbon tetrachloride	<0.0045		0.0045	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
cis-1,3-Dichloropropene	<0.0036		0.0036	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
1,3-Dichloropropene, Total	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
1,1,2,2-Tetrachloroethane	<0.0045	*	0.0045	0.00071	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
trans-1,3-Dichloropropene	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 120*	*08/17/16 16:52*	*08/18/16 11:11*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/17/16 16:52*	*08/18/16 11:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*69 - 134*	*08/17/16 16:52*	*08/18/16 11:11*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/17/16 16:52*	*08/18/16 11:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Benzo[a]anthracene	**0.016**	**J**	0.039	0.0053	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1

Client Sample ID: 2282V-5-B01 (6-12)
Date Collected: 08/16/16 10:40
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-2
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
Benzo[a]pyrene	**0.029**	**J**	0.039	0.0077	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Benzo[b]fluoranthene	**0.045**		0.039	0.0085	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Benzo[g,h,i]perylene	**0.024**	**J**	0.039	0.013	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Benzo[k]fluoranthene	**0.012**	**J**	0.039	0.012	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Chrysene	**0.021**	**J**	0.039	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Fluoranthene	**0.036**	**J**	0.039	0.0073	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Indeno[1,2,3-cd]pyrene	**0.028**	**J**	0.039	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1

Client Sample ID: 2282V-5-B01 (6-12)
Date Collected: 08/16/16 10:40
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-2
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
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Phenanthrene	**0.014**	**J**	0.039	0.0055	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
Pyrene	**0.032**	**J**	0.039	0.0079	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*42 - 115*	*08/19/16 07:23*	*08/24/16 12:42*	*1*
2-Fluorophenol	*92*		*40 - 130*	*08/19/16 07:23*	*08/24/16 12:42*	*1*
Nitrobenzene-d5	*76*		*33 - 124*	*08/19/16 07:23*	*08/24/16 12:42*	*1*
Phenol-d5	*82*		*36 - 123*	*08/19/16 07:23*	*08/24/16 12:42*	*1*
Terphenyl-d14	*90*		*25 - 150*	*08/19/16 07:23*	*08/24/16 12:42*	*1*
2,4,6-Tribromophenol	*29*		*25 - 130*	*08/19/16 07:23*	*08/24/16 12:42*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.45**	**J**	1.2	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Arsenic	**5.7**		0.60	0.28	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Barium	**68**		0.60	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Beryllium	**0.41**		0.24	0.052	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Cadmium	**0.21**	**B**	0.12	0.035	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Chromium	**11**		0.60	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Cobalt	**8.7**		0.30	0.068	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Copper	**13**		0.60	0.13	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Iron	**13000**		12	4.6	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Lead	**11**		0.30	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Magnesium	**2100**	**B**	6.0	2.4	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Calcium	**2300**	**B**	12	3.9	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Manganese	**540**	**B**	0.60	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Nickel	**23**		0.60	0.16	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Vanadium	**21**		0.30	0.088	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Zinc	**38**		1.2	0.38	mg/Kg	☼	08/18/16 15:05	08/24/16 11:36	1
Potassium	**720**		30	4.9	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1
Sodium	**810**		60	7.9	mg/Kg	☼	08/18/16 15:05	08/23/16 12:43	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 20:51	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 20:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 20:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 20:51	1

Client Sample ID: 2282V-5-B01 (6-12)
Date Collected: 08/16/16 10:40
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-2
Matrix: Solid
Percent Solids: 79.8

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**52**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 20:51	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:51	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:51	1
Copper	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:51	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 20:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 20:51	1
Magnesium	**19**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 20:51	1
Manganese	**0.12**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:51	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:51	1
Potassium	**1.3**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 20:51	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 20:51	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:51	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:51	1
Zinc	**0.027**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 20:51	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 18:33	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 18:33	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.025**		0.020	0.011	mg/Kg	☼	08/18/16 13:38	08/19/16 13:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	08/23/16 11:10	08/23/16 15:47	1
pH	**8.3**		0.2	0.2	SU			08/25/16 12:56	1

Client Sample ID: 2282V-5-B02 (0-6)
Date Collected: 08/16/16 09:55
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-3
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0030	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Benzene	<0.0039		0.0039	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Bromodichloromethane	<0.0039		0.0039	0.00065	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Bromoform	<0.0039		0.0039	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Bromomethane	<0.0039		0.0039	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
2-Butanone (MEK)	<0.0039		0.0039	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Carbon disulfide	<0.0039		0.0039	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Carbon tetrachloride	<0.0039		0.0039	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Chlorobenzene	<0.0039		0.0039	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Chloroethane	<0.0039		0.0039	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Chloroform	<0.0039		0.0039	0.00075	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Chloromethane	<0.0039		0.0039	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
cis-1,2-Dichloroethene	<0.0039		0.0039	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
cis-1,3-Dichloropropene	<0.0031		0.0031	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Dibromochloromethane	<0.0039		0.0039	0.00044	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
1,1-Dichloroethane	<0.0039		0.0039	0.00080	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
1,2-Dichloroethane	<0.0039		0.0039	0.00057	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
1,1-Dichloroethene	<0.0039		0.0039	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
1,2-Dichloropropane	<0.0039		0.0039	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
1,3-Dichloropropene, Total	<0.0031		0.0031	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Ethylbenzene	<0.0039		0.0039	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Methylene Chloride	<0.0039		0.0039	0.0029	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
4-Methyl-2-pentanone (MIBK)	<0.0039		0.0039	0.00080	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Methyl tert-butyl ether	<0.0039		0.0039	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Styrene	<0.0039		0.0039	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
1,1,2,2-Tetrachloroethane	<0.0039	*	0.0039	0.00061	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Tetrachloroethene	<0.0039		0.0039	0.00080	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Toluene	<0.0039		0.0039	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
trans-1,2-Dichloroethene	<0.0039		0.0039	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
trans-1,3-Dichloropropene	<0.0031		0.0031	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
1,1,1-Trichloroethane	<0.0039		0.0039	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
1,1,2-Trichloroethane	<0.0039		0.0039	0.00075	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Trichloroethene	<0.0039		0.0039	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Vinyl acetate	<0.0039		0.0039	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Vinyl chloride	<0.0039		0.0039	0.00092	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1
Xylenes, Total	<0.0077		0.0077	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 120*	*08/17/16 16:52*	*08/18/16 11:36*	*1*
Dibromofluoromethane	*93*		*75 - 120*	*08/17/16 16:52*	*08/18/16 11:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*69 - 134*	*08/17/16 16:52*	*08/18/16 11:36*	*1*
Toluene-d8 (Surr)	*94*		*75 - 123*	*08/17/16 16:52*	*08/18/16 11:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0069**	**J**	0.037	0.0066	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Acenaphthylene	**0.013**	**J**	0.037	0.0049	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Anthracene	**0.048**		0.037	0.0062	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Benzo[a]anthracene	**0.19**		0.037	0.0050	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1

Client Sample ID: 2282V-5-B02 (0-6)
Date Collected: 08/16/16 09:55
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-3
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.34**		0.037	0.0071	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Benzo[b]fluoranthene	**0.33**		0.037	0.0080	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Benzo[g,h,i]perylene	**0.19**		0.037	0.012	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Benzo[k]fluoranthene	**0.20**		0.037	0.011	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Carbazole	<0.19		0.19	0.092	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Chrysene	**0.31**		0.037	0.010	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Dibenz(a,h)anthracene	**0.036**	**J**	0.037	0.0071	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Diethyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2,6-Dinitrotoluene	<0.19		0.19	0.072	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Fluoranthene	**0.43**		0.037	0.0068	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Fluorene	**0.012**	**J**	0.037	0.0052	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Indeno[1,2,3-cd]pyrene	**0.18**		0.037	0.0096	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2-Methylnaphthalene	**0.0092**	**J**	0.074	0.0068	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
3 & 4 Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Naphthalene	**0.0059**	**J**	0.037	0.0057	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1

Client Sample ID: 2282V-5-B02 (0-6)
Date Collected: 08/16/16 09:55
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-3
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Phenanthrene	**0.18**		0.037	0.0051	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
Pyrene	**0.63**		0.037	0.0073	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	09/06/16 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*42 - 115*	*08/19/16 07:23*	*09/06/16 10:26*	*1*
2-Fluorophenol	*114*		*40 - 130*	*08/19/16 07:23*	*09/06/16 10:26*	*1*
Nitrobenzene-d5	*103*		*33 - 124*	*08/19/16 07:23*	*09/06/16 10:26*	*1*
Phenol-d5	*96*		*36 - 123*	*08/19/16 07:23*	*09/06/16 10:26*	*1*
Terphenyl-d14	*183*	*X*	*25 - 150*	*08/19/16 07:23*	*09/06/16 10:26*	*1*
2,4,6-Tribromophenol	*120*		*25 - 130*	*08/19/16 07:23*	*09/06/16 10:26*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.53**	**J**	1.1	0.22	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Arsenic	**3.0**		0.53	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Barium	**47**		0.53	0.098	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Beryllium	**0.23**		0.21	0.046	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Cadmium	**0.30**	**B**	0.11	0.031	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Chromium	**8.7**		0.53	0.092	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Cobalt	**4.8**		0.27	0.060	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Copper	**9.9**		0.53	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Iron	**7900**		11	4.1	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Lead	**110**		0.27	0.13	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Magnesium	**15000**	**B**	5.3	2.2	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Calcium	**26000**	**B**	11	3.4	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Manganese	**390**	**B**	0.53	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Nickel	**8.2**		0.53	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Selenium	**0.41**	**J**	0.53	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Vanadium	**13**		0.27	0.078	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Zinc	**43**		1.1	0.34	mg/Kg	☼	08/18/16 15:05	08/24/16 11:58	1
Potassium	**490**		27	4.4	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	1
Sodium	**890**		53	7.1	mg/Kg	☼	08/18/16 15:05	08/23/16 13:16	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		08/23/16 07:47	08/23/16 20:56	1
Barium	**0.50**		0.50	0.050	mg/L		08/23/16 07:47	08/23/16 20:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 20:56	1
Cadmium	**0.0028**	**J**	0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 20:56	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

Client Sample ID: 2282V-5-B02 (0-6)
Date Collected: 08/16/16 09:55
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-3
Matrix: Solid
Percent Solids: 88.0

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**260**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 20:56	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:56	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:56	1
Copper	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:56	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 20:56	1
Lead	**0.014**		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 20:56	1
Magnesium	**110**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 20:56	1
Manganese	**4.2**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:56	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:56	1
Potassium	**1.1**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 20:56	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 20:56	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:56	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 20:56	1
Zinc	**0.080**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 20:56	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.43**		0.0075	0.0075	mg/L		08/23/16 08:28	08/23/16 17:18	1
Manganese	**1.5**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 17:18	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 18:36	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 18:36	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.055**		0.018	0.0094	mg/Kg	☼	08/18/16 13:38	08/19/16 13:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.52		0.52	0.17	mg/Kg	☼	08/23/16 11:10	08/23/16 15:48	1
pH	**8.8**		0.2	0.2	SU			08/25/16 12:59	1

Client Sample ID: 2282V-5-B02 (6-12)
Date Collected: 08/16/16 10:05
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-4
Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0032	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Benzene	<0.0041		0.0041	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Bromoform	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
2-Butanone (MEK)	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Carbon tetrachloride	<0.0041		0.0041	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Chlorobenzene	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Chloroform	<0.0041		0.0041	0.00080	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Chloromethane	<0.0041		0.0041	0.00099	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
1,1-Dichloroethane	<0.0041		0.0041	0.00085	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
1,2-Dichloroethane	<0.0041		0.0041	0.00061	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00085	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Styrene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
1,1,2,2-Tetrachloroethane	<0.0041	*	0.0041	0.00065	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Tetrachloroethene	<0.0041		0.0041	0.00085	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00095	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Vinyl chloride	<0.0041		0.0041	0.00098	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1
Xylenes, Total	<0.0082		0.0082	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 120*	*08/17/16 16:52*	*08/18/16 12:00*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/17/16 16:52*	*08/18/16 12:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*69 - 134*	*08/17/16 16:52*	*08/18/16 12:00*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/17/16 16:52*	*08/18/16 12:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Benzo[a]anthracene	**0.042**		0.038	0.0051	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1

Client Sample ID: 2282V-5-B02 (6-12)
Date Collected: 08/16/16 10:05
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-4
Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.082**		0.038	0.0074	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Benzo[b]fluoranthene	**0.12**		0.038	0.0082	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Benzo[g,h,i]perylene	**0.090**		0.038	0.012	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Benzo[k]fluoranthene	**0.043**		0.038	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Chrysene	**0.056**		0.038	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Fluoranthene	**0.072**		0.038	0.0071	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Indeno[1,2,3-cd]pyrene	**0.078**		0.038	0.0099	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1

Client Sample ID: 2282V-5-B02 (6-12)
Date Collected: 08/16/16 10:05
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-4
Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Phenanthrene	**0.029**	**J**	0.038	0.0053	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
Pyrene	**0.15**		0.038	0.0076	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*42 - 115*	*08/19/16 07:23*	*08/24/16 18:03*	*1*
2-Fluorophenol	*104*		*40 - 130*	*08/19/16 07:23*	*08/24/16 18:03*	*1*
Nitrobenzene-d5	*90*		*33 - 124*	*08/19/16 07:23*	*08/24/16 18:03*	*1*
Phenol-d5	*93*		*36 - 123*	*08/19/16 07:23*	*08/24/16 18:03*	*1*
Terphenyl-d14	*194*	*X*	*25 - 150*	*08/19/16 07:23*	*08/24/16 18:03*	*1*
2,4,6-Tribromophenol	*56*		*25 - 130*	*08/19/16 07:23*	*08/24/16 18:03*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.34**	**J**	1.1	0.23	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Arsenic	**4.3**		0.55	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Barium	**46**		0.55	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Beryllium	**0.32**		0.22	0.048	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Cadmium	**0.17**	**B**	0.11	0.032	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Chromium	**10**		0.55	0.095	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Cobalt	**5.4**		0.28	0.062	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Copper	**8.8**		0.55	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Iron	**9700**		11	4.2	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Lead	**8.5**		0.28	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Magnesium	**4700**	**B**	5.5	2.2	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Calcium	**7500**	**B**	11	3.5	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Manganese	**330**	**B**	0.55	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Nickel	**14**		0.55	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Selenium	**0.37**	**J**	0.55	0.27	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Silver	<0.28		0.28	0.064	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Vanadium	**17**		0.28	0.080	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Zinc	**27**		1.1	0.35	mg/Kg	☼	08/18/16 15:05	08/24/16 12:05	1
Potassium	**570**		28	4.5	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1
Sodium	**760**		55	7.3	mg/Kg	☼	08/18/16 15:05	08/23/16 13:21	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 21:01	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 21:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 21:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 21:01	1

Client Sample ID: 2282V-5-B02 (6-12)

Date Collected: 08/16/16 10:05
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-4

Matrix: Solid
Percent Solids: 84.8

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**100**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 21:01	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:01	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:01	1
Copper	**0.20**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:01	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 21:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 21:01	1
Magnesium	**37**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:01	1
Manganese	**0.60**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:01	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:01	1
Potassium	**1.4**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:01	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 21:01	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:01	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:01	1
Zinc	**0.19**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.6**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 17:23	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 18:40	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 18:40	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.025**		0.020	0.010	mg/Kg	☼	08/18/16 13:38	08/19/16 13:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	08/23/16 11:10	08/23/16 15:48	1
pH	**8.4**		0.2	0.2	SU			08/25/16 13:02	1

Client Sample ID: 2282V-5-B03 (0-6)
Date Collected: 08/16/16 09:25
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-5
Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0029	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Benzene	<0.0037		0.0037	0.00082	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Bromodichloromethane	<0.0037		0.0037	0.00062	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Bromoform	<0.0037		0.0037	0.00075	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
2-Butanone (MEK)	<0.0037		0.0037	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Carbon disulfide	<0.0037		0.0037	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Carbon tetrachloride	<0.0037		0.0037	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Chlorobenzene	<0.0037		0.0037	0.00087	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Chloroethane	<0.0037		0.0037	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Chloroform	<0.0037		0.0037	0.00072	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Chloromethane	<0.0037		0.0037	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
cis-1,2-Dichloroethene	<0.0037		0.0037	0.00075	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
cis-1,3-Dichloropropene	<0.0030		0.0030	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Dibromochloromethane	<0.0037		0.0037	0.00042	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
1,1-Dichloroethane	<0.0037		0.0037	0.00076	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
1,2-Dichloroethane	<0.0037		0.0037	0.00055	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
1,1-Dichloroethene	<0.0037		0.0037	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
1,2-Dichloropropane	<0.0037		0.0037	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
1,3-Dichloropropene, Total	<0.0030		0.0030	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Ethylbenzene	<0.0037		0.0037	0.00092	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
2-Hexanone	<0.0037		0.0037	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Methylene Chloride	<0.0037		0.0037	0.0028	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
4-Methyl-2-pentanone (MIBK)	<0.0037		0.0037	0.00076	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Methyl tert-butyl ether	<0.0037		0.0037	0.00087	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Styrene	<0.0037		0.0037	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
1,1,2,2-Tetrachloroethane	<0.0037	*	0.0037	0.00059	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Tetrachloroethene	<0.0037		0.0037	0.00077	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Toluene	<0.0037		0.0037	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
trans-1,2-Dichloroethene	<0.0037		0.0037	0.00092	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
trans-1,3-Dichloropropene	<0.0030		0.0030	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
1,1,1-Trichloroethane	<0.0037		0.0037	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
1,1,2-Trichloroethane	<0.0037		0.0037	0.00071	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Trichloroethene	<0.0037		0.0037	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Vinyl acetate	<0.0037		0.0037	0.00099	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Vinyl chloride	<0.0037		0.0037	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1
Xylenes, Total	<0.0074		0.0074	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 120*	*08/17/16 16:52*	*08/18/16 12:24*	*1*
Dibromofluoromethane	*96*		*75 - 120*	*08/17/16 16:52*	*08/18/16 12:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*69 - 134*	*08/17/16 16:52*	*08/18/16 12:24*	*1*
Toluene-d8 (Surr)	*96*		*75 - 123*	*08/17/16 16:52*	*08/18/16 12:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Acenaphthylene	**0.0099**	**J**	0.037	0.0049	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Anthracene	**0.024**	**J**	0.037	0.0063	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Benzo[a]anthracene	**0.12**		0.037	0.0050	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

Client Sample ID: 2282V-5-B03 (0-6)
Date Collected: 08/16/16 09:25
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-5
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
Benzo[a]pyrene	**0.18**		0.037	0.0072	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Benzo[b]fluoranthene	**0.27**		0.037	0.0081	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Benzo[g,h,i]perylene	**0.19**		0.037	0.012	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Benzo[k]fluoranthene	**0.10**		0.037	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Chrysene	**0.16**		0.037	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Fluoranthene	**0.19**		0.037	0.0069	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Fluorene	**0.0083**	**J**	0.037	0.0053	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Hexachlorocyclopentadiene	<0.75		0.75	0.22	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Indeno[1,2,3-cd]pyrene	**0.19**		0.037	0.0097	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2-Methylnaphthalene	**0.0077**	**J**	0.075	0.0069	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1

Client Sample ID: 2282V-5-B03 (0-6)
Date Collected: 08/16/16 09:25
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-5
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
4-Nitrophenol	<0.75		0.75	0.36	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Phenanthrene	**0.14**		0.037	0.0052	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
Pyrene	**0.50**		0.037	0.0074	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*42 - 115*	*08/19/16 07:23*	*08/24/16 20:45*	*1*
2-Fluorophenol	*103*		*40 - 130*	*08/19/16 07:23*	*08/24/16 20:45*	*1*
Nitrobenzene-d5	*85*		*33 - 124*	*08/19/16 07:23*	*08/24/16 20:45*	*1*
Phenol-d5	*93*		*36 - 123*	*08/19/16 07:23*	*08/24/16 20:45*	*1*
Terphenyl-d14	*203*	*X*	*25 - 150*	*08/19/16 07:23*	*08/24/16 20:45*	*1*
2,4,6-Tribromophenol	*75*		*25 - 130*	*08/19/16 07:23*	*08/24/16 20:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.34**	**J**	1.1	0.23	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Arsenic	**3.5**		0.57	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Barium	**61**		0.57	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Beryllium	**0.29**		0.23	0.049	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Cadmium	**0.39**	**B**	0.11	0.033	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Chromium	**12**		0.57	0.097	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Cobalt	**5.6**		0.28	0.064	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Copper	**12**		0.57	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Iron	**8600**		11	4.4	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Lead	**93**		0.28	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Magnesium	**15000**	**B**	5.7	2.3	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Calcium	**26000**	**B**	11	3.6	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Manganese	**500**	**B**	0.57	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Nickel	**12**		0.57	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Selenium	**0.39**	**J**	0.57	0.28	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Vanadium	**14**		0.28	0.083	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Zinc	**46**		1.1	0.36	mg/Kg	☼	08/18/16 15:05	08/24/16 12:12	1
Potassium	**640**		28	4.6	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1
Sodium	**1600**		57	7.5	mg/Kg	☼	08/18/16 15:05	08/23/16 13:26	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 21:06	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 21:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 21:06	1
Cadmium	**0.0034**	**J**	0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 21:06	1

Client Sample ID: 2282V-5-B03 (0-6)
Date Collected: 08/16/16 09:25
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-5
Matrix: Solid
Percent Solids: 87.8

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**310**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 21:06	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:06	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:06	1
Copper	**0.13**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:06	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 21:06	1
Lead	**0.014**		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 21:06	1
Magnesium	**99**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:06	1
Manganese	**0.88**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:06	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:06	1
Potassium	**1.9**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:06	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 21:06	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:06	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:06	1
Zinc	**0.19**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 21:06	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.41**		0.0075	0.0075	mg/L		08/23/16 08:28	08/23/16 17:28	1
Manganese	**1.0**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 17:28	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 18:43	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 18:43	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**		0.018	0.0092	mg/Kg	☼	08/18/16 13:38	08/19/16 13:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.52		0.52	0.17	mg/Kg	☼	08/23/16 11:10	08/23/16 15:49	1
pH	**8.7**		0.2	0.2	SU			08/25/16 13:04	1

Client Sample ID: 2282V-5-B03 (6-12)
Date Collected: 08/16/16 09:35
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-6
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0032	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Benzene	<0.0041		0.0041	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Bromoform	<0.0041		0.0041	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
2-Butanone (MEK)	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Carbon tetrachloride	<0.0041		0.0041	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Chlorobenzene	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Chloroform	<0.0041		0.0041	0.00080	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Chloromethane	<0.0041		0.0041	0.00098	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
1,1-Dichloroethane	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
1,2-Dichloroethane	<0.0041		0.0041	0.00061	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Styrene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
1,1,2,2-Tetrachloroethane	<0.0041	*	0.0041	0.00065	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Tetrachloroethene	<0.0041		0.0041	0.00085	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00095	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Vinyl chloride	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1
Xylenes, Total	<0.0082		0.0082	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 120*	*08/17/16 16:52*	*08/18/16 12:48*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/17/16 16:52*	*08/18/16 12:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*69 - 134*	*08/17/16 16:52*	*08/18/16 12:48*	*1*
Toluene-d8 (Surr)	*93*		*75 - 123*	*08/17/16 16:52*	*08/18/16 12:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Anthracene	**0.014**	**J**	0.039	0.0066	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Benzo[a]anthracene	**0.078**		0.039	0.0053	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

Client Sample ID: 2282V-5-B03 (6-12)
Date Collected: 08/16/16 09:35
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-6
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.14**		0.039	0.0076	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Benzo[b]fluoranthene	**0.23**		0.039	0.0085	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Benzo[g,h,i]perylene	**0.15**		0.039	0.013	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Benzo[k]fluoranthene	**0.069**		0.039	0.012	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Chrysene	**0.12**		0.039	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2,4-Dinitrophenol	<0.80		0.80	0.69	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Fluoranthene	**0.18**		0.039	0.0073	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Hexachlorobenzene	<0.080		0.080	0.0091	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Indeno[1,2,3-cd]pyrene	**0.13**		0.039	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1

Client Sample ID: 2282V-5-B03 (6-12)
Date Collected: 08/16/16 09:35
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-6
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Phenanthrene	**0.11**		0.039	0.0055	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
Pyrene	**0.36**		0.039	0.0078	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*42 - 115*	*08/19/16 07:23*	*08/24/16 18:30*	*1*
2-Fluorophenol	*101*		*40 - 130*	*08/19/16 07:23*	*08/24/16 18:30*	*1*
Nitrobenzene-d5	*85*		*33 - 124*	*08/19/16 07:23*	*08/24/16 18:30*	*1*
Phenol-d5	*92*		*36 - 123*	*08/19/16 07:23*	*08/24/16 18:30*	*1*
Terphenyl-d14	*190*	*X*	*25 - 150*	*08/19/16 07:23*	*08/24/16 18:30*	*1*
2,4,6-Tribromophenol	*79*		*25 - 130*	*08/19/16 07:23*	*08/24/16 18:30*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.30**	**J**	1.2	0.24	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Arsenic	**4.1**		0.58	0.27	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Barium	**37**		0.58	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Beryllium	**0.31**		0.23	0.050	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Cadmium	**0.18**	**B**	0.12	0.034	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Chromium	**9.4**		0.58	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Cobalt	**7.0**		0.29	0.065	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Copper	**11**		0.58	0.13	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Iron	**10000**		12	4.5	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Lead	**8.0**		0.29	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Magnesium	**2900**	**B**	5.8	2.4	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Calcium	**4000**	**B**	12	3.7	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Manganese	**390**	**B**	0.58	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Nickel	**17**		0.58	0.16	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Vanadium	**16**		0.29	0.085	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Zinc	**28**		1.2	0.37	mg/Kg	☼	08/18/16 15:05	08/24/16 12:18	1
Potassium	**630**		29	4.7	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1
Sodium	**710**		58	7.6	mg/Kg	☼	08/18/16 15:05	08/23/16 13:32	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 21:12	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 21:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 21:12	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 21:12	1

Client Sample ID: 2282V-5-B03 (6-12)
Date Collected: 08/16/16 09:35
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-6
Matrix: Solid
Percent Solids: 84.1

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**98**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 21:12	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:12	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:12	1
Copper	**0.21**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:12	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 21:12	1
Lead	**0.0082**		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 21:12	1
Magnesium	**37**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:12	1
Manganese	**0.40**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:12	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:12	1
Potassium	**3.0**	**B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:12	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 21:12	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:12	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:12	1
Zinc	**0.14**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 21:12	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.10**		0.0075	0.0075	mg/L		08/23/16 08:28	08/23/16 17:32	1
Manganese	**1.4**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 17:32	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 18:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 18:47	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**		0.017	0.0091	mg/Kg	☼	08/18/16 13:38	08/19/16 13:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	08/23/16 11:10	08/23/16 15:49	1
pH	**8.6**		0.2	0.2	SU			08/25/16 13:07	1

Client Sample ID: 2282V-5-B04 (0-5)
Date Collected: 08/16/16 09:00
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-7
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0028	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Benzene	<0.0036		0.0036	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Bromodichloromethane	<0.0036		0.0036	0.00060	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Bromoform	<0.0036		0.0036	0.00073	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Bromomethane	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
2-Butanone (MEK)	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Carbon disulfide	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Carbon tetrachloride	<0.0036		0.0036	0.00076	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Chlorobenzene	<0.0036		0.0036	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Chloroethane	<0.0036		0.0036	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Chloroform	<0.0036		0.0036	0.00070	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Chloromethane	<0.0036		0.0036	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
cis-1,2-Dichloroethene	<0.0036		0.0036	0.00073	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
cis-1,3-Dichloropropene	<0.0029		0.0029	0.00081	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Dibromochloromethane	<0.0036		0.0036	0.00041	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
1,1-Dichloroethane	<0.0036		0.0036	0.00074	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
1,2-Dichloroethane	<0.0036		0.0036	0.00053	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
1,1-Dichloroethene	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
1,2-Dichloropropane	<0.0036		0.0036	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
1,3-Dichloropropene, Total	<0.0029		0.0029	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Ethylbenzene	<0.0036		0.0036	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Methylene Chloride	<0.0036		0.0036	0.0027	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
4-Methyl-2-pentanone (MIBK)	<0.0036		0.0036	0.00074	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Methyl tert-butyl ether	<0.0036		0.0036	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Styrene	<0.0036		0.0036	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
1,1,2,2-Tetrachloroethane	<0.0036	*	0.0036	0.00057	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Tetrachloroethene	<0.0036		0.0036	0.00074	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Toluene	<0.0036		0.0036	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
trans-1,2-Dichloroethene	<0.0036		0.0036	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
trans-1,3-Dichloropropene	<0.0029		0.0029	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
1,1,1-Trichloroethane	<0.0036		0.0036	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
1,1,2-Trichloroethane	<0.0036		0.0036	0.00069	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Trichloroethene	<0.0036		0.0036	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Vinyl acetate	<0.0036		0.0036	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Vinyl chloride	<0.0036		0.0036	0.00085	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1
Xylenes, Total	<0.0071		0.0071	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 120*	*08/17/16 16:52*	*08/18/16 13:13*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/17/16 16:52*	*08/18/16 13:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*69 - 134*	*08/17/16 16:52*	*08/18/16 13:13*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/17/16 16:52*	*08/18/16 13:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0063	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Acenaphthylene	<0.035		0.035	0.0047	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Anthracene	<0.035		0.035	0.0059	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Benzo[a]anthracene	<0.035		0.035	0.0048	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1

Client Sample ID: 2282V-5-B04 (0-5)
Date Collected: 08/16/16 09:00
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-7
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.035		0.035	0.0068	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Benzo[b]fluoranthene	<0.035		0.035	0.0076	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Benzo[g,h,i]perylene	<0.035		0.035	0.011	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.053	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Butyl benzyl phthalate	<0.18		0.18	0.067	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Carbazole	<0.18		0.18	0.088	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
4-Chloroaniline	<0.71		0.71	0.17	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2-Chlorophenol	<0.18		0.18	0.060	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Chrysene	<0.035		0.035	0.0096	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0068	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Dibenzofuran	<0.18		0.18	0.041	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
1,4-Dichlorobenzene	<0.18		0.18	0.045	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.049	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2,4-Dichlorophenol	<0.35		0.35	0.084	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Diethyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
4,6-Dinitro-2-methylphenol	<0.71		0.71	0.28	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2,4-Dinitrophenol	<0.71		0.71	0.62	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2,6-Dinitrotoluene	<0.18		0.18	0.069	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Fluoranthene	<0.035		0.035	0.0066	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Fluorene	<0.035		0.035	0.0050	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Hexachlorobenzene	<0.071		0.071	0.0082	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Hexachlorocyclopentadiene	<0.71		0.71	0.20	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0092	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2-Methylnaphthalene	**0.019**	**J**	0.071	0.0065	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
3 & 4 Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Naphthalene	**0.0075**	**J**	0.035	0.0054	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Nitrobenzene	<0.035		0.035	0.0088	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2-Nitrophenol	<0.35		0.35	0.083	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1

Client Sample ID: 2282V-5-B04 (0-5)
Date Collected: 08/16/16 09:00
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-7
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.71		0.71	0.34	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
N-Nitrosodi-n-propylamine	<0.071		0.071	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Pentachlorophenol	<0.71		0.71	0.57	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Phenanthrene	**0.017**	**J**	0.035	0.0049	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Phenol	<0.18		0.18	0.078	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
Pyrene	**0.0090**	**J**	0.035	0.0070	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2,4,5-Trichlorophenol	<0.35		0.35	0.081	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	08/19/16 07:23	08/19/16 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*42 - 115*	*08/19/16 07:23*	*08/19/16 21:12*	*1*
2-Fluorophenol	*81*		*40 - 130*	*08/19/16 07:23*	*08/19/16 21:12*	*1*
Nitrobenzene-d5	*73*		*33 - 124*	*08/19/16 07:23*	*08/19/16 21:12*	*1*
Phenol-d5	*79*		*36 - 123*	*08/19/16 07:23*	*08/19/16 21:12*	*1*
Terphenyl-d14	*89*		*25 - 150*	*08/19/16 07:23*	*08/19/16 21:12*	*1*
2,4,6-Tribromophenol	*53*		*25 - 130*	*08/19/16 07:23*	*08/19/16 21:12*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Arsenic	**2.3**		0.51	0.24	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Barium	**33**		0.51	0.094	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Beryllium	**0.24**		0.21	0.044	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Cadmium	**0.18**	**B**	0.10	0.030	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Chromium	**6.9**		0.51	0.088	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Cobalt	**4.0**		0.26	0.058	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Copper	**7.4**		0.51	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Iron	**6700**		10	4.0	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Lead	**14**		0.26	0.13	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Magnesium	**16000**	**B**	5.1	2.1	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Calcium	**30000**	**B**	10	3.3	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Manganese	**270**	**B**	0.51	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Nickel	**7.3**		0.51	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Selenium	<0.51		0.51	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Thallium	<0.51		0.51	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Vanadium	**11**		0.26	0.075	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Zinc	**26**		1.0	0.33	mg/Kg	☼	08/18/16 15:05	08/24/16 12:25	1
Potassium	**640**		26	4.2	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	1
Sodium	**800**		51	6.8	mg/Kg	☼	08/18/16 15:05	08/23/16 13:36	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		08/23/16 07:47	08/23/16 21:16	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 21:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 21:16	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 21:16	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

Client Sample ID: 2282V-5-B04 (0-5)
Date Collected: 08/16/16 09:00
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-7
Matrix: Solid
Percent Solids: 91.1

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**330**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 21:16	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:16	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:16	1
Copper	**0.43**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:16	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 21:16	1
Lead	**0.017**		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 21:16	1
Magnesium	**68**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:16	1
Manganese	**2.4**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:16	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:16	1
Potassium	**2.9**	**B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:16	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 21:16	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:16	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:16	1
Zinc	**0.34**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 21:16	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.070**		0.0075	0.0075	mg/L		08/23/16 08:28	08/23/16 17:37	1
Manganese	**0.97**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 17:37	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 18:50	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 18:50	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**		0.017	0.0088	mg/Kg	☼	08/18/16 13:38	08/19/16 13:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.52		0.52	0.17	mg/Kg	☼	08/23/16 11:10	08/23/16 15:50	1
pH	**9.5**		0.2	0.2	SU			08/25/16 13:10	1

Client Sample ID: 2282V-5-B04 (5-10)
Date Collected: 08/16/16 09:15
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-8
Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0034	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Benzene	<0.0043		0.0043	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Bromodichloromethane	<0.0043		0.0043	0.00073	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Bromoform	<0.0043		0.0043	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Carbon tetrachloride	<0.0043		0.0043	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Chloroethane	<0.0043		0.0043	0.0018	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Chloroform	<0.0043		0.0043	0.00085	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
cis-1,3-Dichloropropene	<0.0035		0.0035	0.00099	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Dibromochloromethane	<0.0043		0.0043	0.00050	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
1,1-Dichloroethane	<0.0043		0.0043	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
1,2-Dichloroethane	<0.0043		0.0043	0.00064	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
1,3-Dichloropropene, Total	<0.0035		0.0035	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Methylene Chloride	<0.0043		0.0043	0.0033	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
1,1,2,2-Tetrachloroethane	<0.0043	*	0.0043	0.00069	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Tetrachloroethene	<0.0043		0.0043	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
trans-1,3-Dichloropropene	<0.0035		0.0035	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Vinyl acetate	<0.0043		0.0043	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1
Xylenes, Total	<0.0087		0.0087	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 120*	*08/17/16 16:52*	*08/18/16 13:37*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/17/16 16:52*	*08/18/16 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*69 - 134*	*08/17/16 16:52*	*08/18/16 13:37*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/17/16 16:52*	*08/18/16 13:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.041		0.041	0.0073	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Benzo[a]anthracene	**0.015**	**J**	0.041	0.0055	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1

Client Sample ID: 2282V-5-B04 (5-10)
Date Collected: 08/16/16 09:15
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-8
Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.020**	**J**	0.041	0.0079	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Benzo[b]fluoranthene	**0.026**	**J**	0.041	0.0088	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Benzo[g,h,i]perylene	**0.023**	**J**	0.041	0.013	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Chrysene	**0.023**	**J**	0.041	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
1,4-Dichlorobenzene	<0.21		0.21	0.052	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2,4-Dimethylphenol	<0.41		0.41	0.15	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Fluoranthene	**0.029**	**J**	0.041	0.0076	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Fluorene	<0.041		0.041	0.0057	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Hexachlorobenzene	<0.082		0.082	0.0095	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Indeno[1,2,3-cd]pyrene	**0.015**	**J**	0.041	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2-Methylphenol	<0.21		0.21	0.065	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2-Nitrophenol	<0.41		0.41	0.096	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1

Client Sample ID: 2282V-5-B04 (5-10)
Date Collected: 08/16/16 09:15
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-8
Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Phenanthrene	**0.017**	**J**	0.041	0.0057	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
Pyrene	**0.032**	**J**	0.041	0.0081	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*42 - 115*	*08/19/16 07:23*	*08/24/16 13:35*	*1*
2-Fluorophenol	*85*		*40 - 130*	*08/19/16 07:23*	*08/24/16 13:35*	*1*
Nitrobenzene-d5	*76*		*33 - 124*	*08/19/16 07:23*	*08/24/16 13:35*	*1*
Phenol-d5	*69*		*36 - 123*	*08/19/16 07:23*	*08/24/16 13:35*	*1*
Terphenyl-d14	*95*		*25 - 150*	*08/19/16 07:23*	*08/24/16 13:35*	*1*
2,4,6-Tribromophenol	*40*		*25 - 130*	*08/19/16 07:23*	*08/24/16 13:35*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.47**	**J**	1.2	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Arsenic	**5.7**		0.61	0.28	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Barium	**52**		0.61	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Beryllium	**0.45**		0.24	0.053	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Cadmium	**0.17**	**B**	0.12	0.035	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Chromium	**13**		0.61	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Cobalt	**7.8**		0.30	0.069	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Copper	**11**		0.61	0.13	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Iron	**14000**		12	4.7	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Lead	**9.5**		0.30	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Magnesium	**11000**	**B**	6.1	2.5	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Calcium	**16000**	**B**	12	3.9	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Manganese	**250**	**B**	0.61	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Nickel	**19**		0.61	0.17	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Selenium	**0.49**	**J**	0.61	0.30	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Silver	<0.30		0.30	0.071	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Thallium	<0.61		0.61	0.30	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Vanadium	**21**		0.30	0.089	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Zinc	**36**		1.2	0.39	mg/Kg	☼	08/18/16 15:05	08/24/16 12:32	1
Potassium	**790**		30	5.0	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1
Sodium	**1200**		61	8.0	mg/Kg	☼	08/18/16 15:05	08/23/16 13:41	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 21:21	1
Barium	**0.46**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 21:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 21:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 21:21	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

Client Sample ID: 2282V-5-B04 (5-10)
Date Collected: 08/16/16 09:15
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-8
Matrix: Solid
Percent Solids: 80.2

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**310**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 21:21	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:21	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:21	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:21	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 21:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 21:21	1
Magnesium	**160**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:21	1
Manganese	**0.081**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:21	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:21	1
Potassium	**1.8**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:21	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 21:21	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:21	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:21	1
Zinc	**0.032**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 21:21	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 18:53	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 18:53	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**		0.019	0.0098	mg/Kg	☼	08/18/16 13:38	08/19/16 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.62		0.62	0.20	mg/Kg	☼	08/23/16 11:10	08/23/16 15:50	1
pH	**8.9**		0.2	0.2	SU			08/25/16 13:13	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD 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.
X	Surrogate is outside control 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.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-1

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	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-115818 COC

(optional)

Report To
Contact: Matt Weiss
Company: Terracon
Address: 135 Ambassador Dr.
Address: Naperville, IL 60540
Phone: 630-445-0160
Fax:
E-Mail: matt.weiss@terracon.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-115818

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: 2.1, 3.2

Client	Client Project #	Preservative
IDOT	1116705	
Project Name: Work Order 21		Parameter
Project Location/State: Carpentersville	Lab Project #	
Sampler: Ryan J Peterson	Lab PM	

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total 23 Inorganics	TCLP 23 Inorganics	SPLP 23 Inorganics	pH	Comments
1		2282v-S-B01 (0-6)	8/16	1030	6	S	X	X	X	X	X	X	
2		2282v-S-B01 (6-12)	8/16	1040	6	S	X	X	X	X	X	X	
3		2282v-S-B02 (0-6)	8/16	9:55	6	S	X	X	X	X	X	X	
4		2282v-S-B02 (6-12)	8/16	1005	6	S	X	X	X	X	X	X	
5		2282v-S-B03 (0-6)	8/16	9:25	6	S	X	X	X	X	X	X	
6		2282v-S-B03 (6-12)	8/16	9:35	6	S	X	X	X	X	X	X	
7		2282v-S-B04 (0-5)	8/16	9:06	6	S	X	X	X	X	X	X	
8		2282v-S-B04 (5-10)	8/16	9:15	6	S	X	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
	Terracon	8/16	1715		Terracon	8/16	17:15
	Terracon	8/17	9:30		TA	8/17/16	0930
	TA	8/17/16	1145		TA-CHEL	8/17/16	1145

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
Place SPLP Analysis on hold pending Terracon Approval

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-115818-1

Login Number: 115818
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7,3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Illinois Environmental Protection Agency

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 3887- IL 31 at Miller Rd WO#021A Office Phone Number, if available: _____

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

IL 31 (Northbound) IDOT STA 485+20 to 489+20 (ISGS Site 2282V-6)

City: Carpentersville State: IL Zip Code: 60110

County: Kane Township: Dundee

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

Latitude: 42.12769 (Decimal Degrees) Longitude: -88.30094 (-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 Phone: 847-705-4101	Zip Code:	60196 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 3887- IL 31 at Miller Rd WO#021A

Latitude: 42.12769 Longitude: -88.30094

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)]:

Soil from borings B03 and B04 were sampled adjacent to ISGS Site No 2282V-6.
See Exhibits 2, 2D and Table 9 of the Preliminary Site Investigation Report prepared by Terracon dated October 7, 2016.

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

TestAmerica Lab Report No J115739-1.
Also see Preliminary Site Investigation Report prepared by Terracon dated October 7, 2016. CCDD/USFO facility in MSA County.

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

I, Matt Weiss (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: Terracon Consultants, Inc

Street Address: 135 Ambassador Drive

City: Naperville State: IL Zip Code: 60540

Phone: 630-717-4263

Matt Weiss
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

10/7/16
Date:

LICENSED PROFESSIONAL GEOLOGIST
Expires 3/31/17
MATTHEW D WEISS
196-001316
ILLINOIS

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

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-6)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-6-B03 (0-3)	2282V-6-B04 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
				mg/kg	Date Collected	08/15/2016	08/15/2016
		Chicago	MSAs	pH 6.25-9.0			
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	0.0086
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	0.011
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	0.022
Chrysene	mg/kg	1.2	2.7	88		<0.038	0.014
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	0.02
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038	0.01
Phenanthrene	mg/kg	1.3	2.5	210		<0.038	0.007
Pyrene	mg/kg	1.9	3.0	2300		<0.038	0.016
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		5.9	5.3
Barium	mg/kg	---	110	1500		76	68
Cadmium	mg/kg	---	0.6	5.2		0.11	0.13
Chromium, total	mg/kg	---	16.2	21		14	12
Lead	mg/kg	---	36	107		11	12
Mercury	mg/kg	---	0.06	0.1		0.036	0.022
Selenium	mg/kg	---	0.48	1.3		0.34	<0.53
Silver	mg/kg	---	0.55	4.4		<0.29	<0.27
Antimony	mg/kg	---	4.0	5		<1.2	<1.1
Beryllium	mg/kg	---	0.59	22		0.53	0.48
Calcium	mg/kg	---	9,300	---		1200	2700
Cobalt	mg/kg	---	8.9	20		8.3	9.9
Copper	mg/kg	---	19.6	2900		13	12
Cyanide	mg/kg	---	0.51	---		<0.59	<0.56
Iron	mg/kg	---	15,900	15000		16000	14000
Magnesium	mg/kg	---	4,820	325000		2200	2500
Manganese	mg/kg	---	636	630		350	500
Nickel	mg/kg	---	18	100		16	13
Potassium	mg/kg	---	1,268	---		740	560
Sodium	mg/kg	---	130	---		1600	360
Thallium	mg/kg	---	0.32	2.6		<0.58	<0.53
Vanadium	mg/kg	---	25.2	550		22	19
Zinc	mg/kg	---	95	5100		52	43
pH			6.25	9		8.1	8.2

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-6)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-6-B03 (0-3)	2282V-6-B04 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
				mg/kg	Date Collected	08/15/2016	08/15/2016
		Chicago	MSAs	pH 6.25-9.0			
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		--	--
Arsenic,SPLP	mg/L	---	---	---		--	--
Barium,SPLP	mg/L	---	---	---		--	--
Beryllium,SPLP	mg/L	---	---	---		--	--
Cadmium,SPLP	mg/L	---	---	---		--	--
Calcium,SPLP	mg/L	---	---	---		--	--
Chromium,SPLP	mg/L	---	---	---		--	--
Cobalt,SPLP	mg/L	---	---	---		--	--
Copper,SPLP	mg/L	---	---	---		--	--
Iron,SPLP	mg/L	---	---	---		--	--
Lead,SPLP	mg/L	---	---	---		--	--
Magnesium,SPLP	mg/L	---	---	---		--	--
Manganese,SPLP	mg/L	---	---	---		--	--
Mercury,SPLP	mg/L	---	---	---		--	--
Nickel,SPLP	mg/L	---	---	---		--	--
Potassium,SPLP	mg/L	---	---	---		--	--
Selenium,SPLP	mg/L	---	---	---		--	--
Silver,SPLP	mg/L	---	---	---		--	--
Sodium,SPLP	mg/L	---	---	---		--	--
Thallium,SPLP	mg/L	---	---	---		--	--
Vanadium,SPLP	mg/L	---	---	---		--	--
Zinc,SPLP	mg/L	---	---	---		--	--
Cyanide,SPLP	mg/L	---	---	---		--	--
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.28	0.41
Cadmium,TCLP	mg/L	---	---	---		<0.0050	<0.0050
Chromium,TCLP	mg/L	---	---	---		<0.025	<0.025
Lead,TCLP	mg/L	---	---	---		<0.0075	<0.0075
Mercury,TCLP	mg/L	---	---	---		<0.00020	<0.00020
Selenium,TCLP	mg/L	---	---	---		<0.050	<0.050
Silver,TCLP	mg/L	---	---	---		<0.025	<0.025
Antimony,TCLP	mg/L	---	---	---		<0.0060	<0.0060
Beryllium,TCLP	mg/L	---	---	---		<0.0040	<0.0040
Calcium,TCLP	mg/L	---	---	---		27	120
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		0.02	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.24	<0.40
Magnesium,TCLP	mg/L	---	---	---		6.6	41
Manganese,TCLP	mg/L	---	---	---		0.036	0.11
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		1.4	1
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.038	0.043

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 500-115739-1
Client Project/Site: IDOT - Carpentersville - WO 21

For:
Terracon Consulting Eng & Scientists
135 Ambassador Drive
Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

Jodie Bracken

Authorized for release by:
8/25/2016 4:20:04 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-1

Job ID: 500-115739-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-115739-1

Comments
No additional comments.

Receipt
The samples were received on 8/16/2016 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.7º C, 3.0º C and 3.4º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: 2282V-6-B02 (0-3) (500-115739-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following matrix spike/matrix spike duplicate (MS/MSD) recovered at 0% for one or more analytes. Data has been qualified and reported. (500-115739-F-1-N MS) and (500-115739-F-1-O MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010B: The laboratory blank (LB) for preparation batch 348122 contained Lead above the reporting limit (RL). The sample 2282V-6-B04 (0-3) (500-115739-5) associated with this LB did not contain the target compound; therefore, re-extraction and/or re-analysis of the sample was not performed.

Method(s) 6010B: The laboratory blank (LB) for preparation batch 348122 contained Copper above the reporting limit (RL). The samples 2282V-6-B01 (0-3) (500-115739-1) and 2282V-6-B02 (0-3) (500-115739-2), associated with this LB did not contain the target compound; therefore, re-extraction and/or re-analysis of the samples were not performed.

Method(s) 6010B: The laboratory blank (LB) for preparation batch 3481225 contained Copper and Lead above the reporting limit (RL). The sample 2282V-6-B03 (0-3) (500-115739-4), associated with this LB did not contain the target compound; therefore, re-extraction and/or re-analysis of the samples were not performed.

Method(s) 6010B: The method blank for 348122 contained Lead above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-1

Client Sample ID: 2282V-6-B01 (0-3)

Lab Sample ID: 500-115739-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.029		0.018	0.0035	mg/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	0.0065		0.0045	0.0016	mg/Kg	1	☼	8260B	Total/NA
Benzo[a]anthracene	0.083		0.040	0.0055	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.12		0.040	0.0079	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.21		0.040	0.0088	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.11		0.040	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.071		0.040	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.12		0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.16	F1	0.040	0.0075	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.10		0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.078		0.040	0.0057	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.29	F1	0.040	0.0081	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.43	J F1 F2	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.4		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	46		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.29		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.57	F2	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	11		0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.7		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	20	F1	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	9200	B F2	11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	150	F2	0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	30000	B F2	5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	72000	B F2	110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	360		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	11		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.33	J F1 F2	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	110	F1	1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	710	F1	28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	600	B	56	7.3	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.011	J	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.77		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0062		0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	260		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.050		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.015	J B	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.30	J	0.40	0.20	mg/L	1		6010B	TCLP
Lead	0.21	B	0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	64		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	9.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.045		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	6.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.86	B	0.50	0.020	mg/L	1		6010B	TCLP
Cadmium	0.0020	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Lead	0.50		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	0.93		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.032		0.019	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	7.9		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-1

Client Sample ID: 2282V-6-B02 (0-3) — Lab Sample ID: 500-115739-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.026		0.016	0.0031	mg/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	0.0046		0.0040	0.0014	mg/Kg	1	☼	8260B	Total/NA
Acenaphthene	0.046		0.039	0.0071	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.056		0.039	0.0085	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.067		0.039	0.0073	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.061		0.039	0.0056	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.097		0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.060		0.039	0.0079	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.28	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.6		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	67		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.37		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.34		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	10		0.55	0.094	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.4		0.27	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	12		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	11000	B	11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	29		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	6500	B	5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	10000	B	11	3.5	mg/Kg	1	☼	6010B	Total/NA
Manganese	690		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	12		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.27	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.27	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	47		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	730		27	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	700	B	55	7.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.73		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0024	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	140		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.051		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.015	J B	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.46		0.40	0.20	mg/L	1		6010B	TCLP
Lead	0.016		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	49		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	20		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.035		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	10		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.15	J B	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.11		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.5		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.019	F2	0.019	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	7.7		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-6-B02 (0-3) Dup — Lab Sample ID: 500-115739-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.035		0.021	0.0041	mg/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	0.0058		0.0052	0.0019	mg/Kg	1	☼	8260B	Total/NA
Benzo[a]anthracene	0.070		0.036	0.0049	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Client Sample ID: 2282V-6-B02 (0-3) Dup (Continued) — Lab Sample ID: 500-115739-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.079		0.036	0.0071	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.13		0.036	0.0079	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.039		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.042		0.036	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.081		0.036	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.17		0.036	0.0068	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.043		0.036	0.0095	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.071		0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.19		0.036	0.0073	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.51	J	1.0	0.21	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.2		0.51	0.24	mg/Kg	1	☼	6010B	Total/NA
Barium	55		0.51	0.094	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.33		0.20	0.044	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.34		0.10	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.4		0.51	0.088	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.3		0.26	0.058	mg/Kg	1	☼	6010B	Total/NA
Copper	14		0.51	0.11	mg/Kg	1	☼	6010B	Total/NA
Iron	9300	B	10	3.9	mg/Kg	1	☼	6010B	Total/NA
Lead	41		0.26	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000	B	5.1	2.1	mg/Kg	1	☼	6010B	Total/NA
Calcium	58000	B	100	33	mg/Kg	10	☼	6010B	Total/NA
Manganese	460		0.51	0.10	mg/Kg	1	☼	6010B	Total/NA
Nickel	11		0.51	0.14	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.29	J	0.51	0.25	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.26	0.075	mg/Kg	1	☼	6010B	Total/NA
Zinc	51		1.0	0.32	mg/Kg	1	☼	6010B	Total/NA
Potassium	660		26	4.2	mg/Kg	1	☼	6010B	Total/NA
Sodium	740	B	51	6.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.77		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0029	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	240		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.055		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.59		0.40	0.20	mg/L	1		6010B	TCLP
Lead	0.022		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	95		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	14		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.044		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	6.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.28	J B	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.22		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.3		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.014	J	0.018	0.0092	mg/Kg	1	☼	7471B	Total/NA
pH	8.0		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-6-B03 (0-3) — Lab Sample ID: 500-115739-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.9		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	76		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-6-B03 (0-3) (Continued) — Lab Sample ID: 500-115739-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.53		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.11	J	0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	14		0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.3		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	13		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	16000	B	12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	11		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2200	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	1200	B	12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	350		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	16		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.34	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	22		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	52		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	740		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1600	B	58	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	27		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.020	J B	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.24	J	0.40	0.20	mg/L	1		6010B	TCLP
Magnesium	6.6		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.036		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.4	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.038	J B	0.50	0.020	mg/L	1		6010B	TCLP
Mercury	0.036		0.019	0.0098	mg/Kg	1	☼	7471B	Total/NA
pH	8.1		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-6-B04 (0-3) — Lab Sample ID: 500-115739-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0086	J	0.037	0.0051	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.011	J	0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.022	J	0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.014	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.020	J	0.037	0.0070	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.010	J	0.037	0.0097	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0070	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.016	J	0.037	0.0075	mg/Kg	1	☼	8270D	Total/NA
Arsenic	5.3		0.53	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	68		0.53	0.097	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.48		0.21	0.046	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	12		0.53	0.092	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.9		0.27	0.060	mg/Kg	1	☼	6010B	Total/NA
Copper	12		0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	14000	B	11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2500	B	5.3	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	2700	B	11	3.4	mg/Kg	1	☼	6010B	Total/NA
Manganese	500		0.53	0.11	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-6-B04 (0-3) (Continued)

Lab Sample ID: 500-115739-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	13		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.27	0.078	mg/Kg	1	☼	6010B	Total/NA
Zinc	43		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	560		27	4.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	360	B	53	7.0	mg/Kg	1	☼	6010B	Total/NA
Barium	0.41	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	120		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	41		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.11		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.0	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.043	J B	0.50	0.020	mg/L	1		6010B	TCLP
Mercury	0.022		0.019	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	8.2		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-115739-1	2282V-6-B01 (0-3)	Solid	08/15/16 09:45	08/16/16 10:25
500-115739-2	2282V-6-B02 (0-3)	Solid	08/15/16 10:00	08/16/16 10:25
500-115739-3	2282V-6-B02 (0-3) Dup	Solid	08/15/16 10:05	08/16/16 10:25
500-115739-4	2282V-6-B03 (0-3)	Solid	08/15/16 10:20	08/16/16 10:25
500-115739-5	2282V-6-B04 (0-3)	Solid	08/15/16 10:30	08/16/16 10:25

Client Sample ID: 2282V-6-B01 (0-3)
Date Collected: 08/15/16 09:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-1
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.029**		0.018	0.0035	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
2-Butanone (MEK)	**0.0065**		0.0045	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Carbon tetrachloride	<0.0045		0.0045	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
cis-1,3-Dichloropropene	<0.0036		0.0036	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
1,3-Dichloropropene, Total	<0.0036		0.0036	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00072	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
trans-1,3-Dichloropropene	<0.0036		0.0036	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 120*	*08/16/16 12:00*	*08/17/16 11:07*	*1*
Dibromofluoromethane	*111*		*75 - 120*	*08/16/16 12:00*	*08/17/16 11:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*69 - 134*	*08/16/16 12:00*	*08/17/16 11:07*	*1*
Toluene-d8 (Surr)	*117*		*75 - 123*	*08/16/16 12:00*	*08/17/16 11:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Benzo[a]anthracene	**0.083**		0.040	0.0055	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1

Client Sample ID: 2282V-6-B01 (0-3)
Date Collected: 08/15/16 09:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-1
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.12**		0.040	0.0079	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Benzo[b]fluoranthene	**0.21**		0.040	0.0088	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Benzo[g,h,i]perylene	**0.11**		0.040	0.013	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Benzo[k]fluoranthene	**0.071**		0.040	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Bis(2-chloroethyl)ether	<0.20	F1	0.20	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Butyl benzyl phthalate	<0.20	F1	0.20	0.077	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Chrysene	**0.12**		0.040	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
3,3'-Dichlorobenzidine	<0.20	F1	0.20	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
4,6-Dinitro-2-methylphenol	<0.82	F1	0.82	0.33	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2,4-Dinitrophenol	<0.82	F1	0.82	0.72	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Di-n-octyl phthalate	<0.20	F1	0.20	0.066	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Fluoranthene	**0.16**	**F1**	0.040	0.0075	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Hexachlorocyclopentadiene	<0.82	F1	0.82	0.23	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Hexachloroethane	<0.20	F1	0.20	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Indeno[1,2,3-cd]pyrene	**0.10**		0.040	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1

Client Sample ID: 2282V-6-B01 (0-3)
Date Collected: 08/15/16 09:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-1
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Phenanthrene	**0.078**		0.040	0.0057	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
Pyrene	**0.29**	**F1**	0.040	0.0081	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*42 - 115*	*08/18/16 15:52*	*08/19/16 19:46*	*1*
2-Fluorophenol	*86*		*40 - 130*	*08/18/16 15:52*	*08/19/16 19:46*	*1*
Nitrobenzene-d5	*69*		*33 - 124*	*08/18/16 15:52*	*08/19/16 19:46*	*1*
Phenol-d5	*74*		*36 - 123*	*08/18/16 15:52*	*08/19/16 19:46*	*1*
Terphenyl-d14	*144*		*25 - 150*	*08/18/16 15:52*	*08/19/16 19:46*	*1*
2,4,6-Tribromophenol	*96*		*25 - 130*	*08/18/16 15:52*	*08/19/16 19:46*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.43**	**J F1 F2**	1.1	0.23	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Arsenic	**3.4**		0.56	0.26	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Barium	**46**		0.56	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Beryllium	**0.29**		0.22	0.048	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Cadmium	**0.57**	**F2**	0.11	0.032	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Chromium	**11**		0.56	0.096	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Cobalt	**4.7**		0.28	0.063	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Copper	**20**	**F1**	0.56	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Iron	**9200**	**B F2**	11	4.3	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Lead	**150**	**F2**	0.28	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Magnesium	**30000**	**B F2**	5.6	2.3	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Calcium	**72000**	**B F2**	110	36	mg/Kg	☼	08/17/16 08:33	08/18/16 16:16	10
Manganese	**360**		0.56	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Nickel	**11**		0.56	0.15	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Selenium	**0.33**	**J F1 F2**	0.56	0.28	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Silver	<0.28	F2	0.28	0.065	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Thallium	<0.56	F1	0.56	0.27	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Vanadium	**15**		0.28	0.081	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Zinc	**110**	**F1**	1.1	0.35	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Potassium	**710**	**F1**	28	4.5	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	1
Sodium	**600**	**B**	56	7.3	mg/Kg	☼	08/17/16 08:33	08/17/16 16:33	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		08/18/16 09:05	08/18/16 16:55	1
Barium	**0.77**		0.50	0.050	mg/L		08/18/16 09:05	08/18/16 16:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 16:55	1
Cadmium	**0.0062**		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 16:55	1

Client Sample ID: 2282V-6-B01 (0-3)
Date Collected: 08/15/16 09:45
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-1
Matrix: Solid
Percent Solids: 80.8

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**260**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 16:55	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 16:55	1
Cobalt	**0.050**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 16:55	1
Copper	**0.015**	**J B**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 16:55	1
Iron	**0.30**	**J**	0.40	0.20	mg/L		08/18/16 09:05	08/18/16 16:55	1
Lead	**0.21**	**B**	0.0075	0.0075	mg/L		08/18/16 09:05	08/18/16 16:55	1
Magnesium	**64**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 16:55	1
Manganese	**9.9**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 16:55	1
Nickel	**0.045**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 16:55	1
Potassium	**6.9**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 16:55	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 16:55	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 16:55	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 16:55	1
Zinc	**0.86**	**B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 16:55	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		08/18/16 13:57	08/19/16 18:27	1
Lead	**0.50**		0.0075	0.0075	mg/L		08/18/16 13:57	08/19/16 18:27	1
Manganese	**0.93**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 18:27	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 09:33	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 09:33	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 10:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**		0.019	0.010	mg/Kg	☼	08/17/16 15:45	08/18/16 10:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.52		0.52	0.17	mg/Kg	☼	08/19/16 11:15	08/19/16 15:32	1
pH	**7.9**		0.2	0.2	SU			08/24/16 14:34	1

Client Sample ID: 2282V-6-B02 (0-3)
Date Collected: 08/15/16 10:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-2
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.026**		0.016	0.0031	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Benzene	<0.0040		0.0040	0.00089	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Bromodichloromethane	<0.0040		0.0040	0.00068	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Bromoform	<0.0040		0.0040	0.00082	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
2-Butanone (MEK)	**0.0046**		0.0040	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Carbon disulfide	<0.0040		0.0040	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Carbon tetrachloride	<0.0040		0.0040	0.00086	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Chlorobenzene	<0.0040		0.0040	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Chloroethane	<0.0040		0.0040	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Chloroform	<0.0040		0.0040	0.00078	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Chloromethane	<0.0040		0.0040	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
cis-1,2-Dichloroethene	<0.0040		0.0040	0.00082	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
cis-1,3-Dichloropropene	<0.0032		0.0032	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Dibromochloromethane	<0.0040		0.0040	0.00046	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
1,1-Dichloroethane	<0.0040		0.0040	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
1,2-Dichloroethane	<0.0040		0.0040	0.00059	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
1,1-Dichloroethene	<0.0040		0.0040	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
1,2-Dichloropropane	<0.0040		0.0040	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
1,3-Dichloropropene, Total	<0.0032		0.0032	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Ethylbenzene	<0.0040		0.0040	0.00099	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Methylene Chloride	<0.0040		0.0040	0.0030	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Methyl tert-butyl ether	<0.0040		0.0040	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Styrene	<0.0040		0.0040	0.00094	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
1,1,2,2-Tetrachloroethane	<0.0040		0.0040	0.00064	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Tetrachloroethene	<0.0040		0.0040	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Toluene	<0.0040		0.0040	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
trans-1,2-Dichloroethene	<0.0040		0.0040	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
trans-1,3-Dichloropropene	<0.0032		0.0032	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
1,1,1-Trichloroethane	<0.0040		0.0040	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
1,1,2-Trichloroethane	<0.0040		0.0040	0.00078	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Trichloroethene	<0.0040		0.0040	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Vinyl acetate	<0.0040		0.0040	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Vinyl chloride	<0.0040		0.0040	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1
Xylenes, Total	<0.0080		0.0080	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*08/16/16 12:00*	*08/17/16 11:32*	*1*
Dibromofluoromethane	*111*		*75 - 120*	*08/16/16 12:00*	*08/17/16 11:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*69 - 134*	*08/16/16 12:00*	*08/17/16 11:32*	*1*
Toluene-d8 (Surr)	*117*		*75 - 123*	*08/16/16 12:00*	*08/17/16 11:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.046**		0.039	0.0071	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1

Client Sample ID: 2282V-6-B02 (0-3)
Date Collected: 08/15/16 10:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-2
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Benzo[b]fluoranthene	**0.056**		0.039	0.0085	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Fluoranthene	**0.067**		0.039	0.0073	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Fluorene	**0.061**		0.039	0.0056	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1

Client Sample ID: 2282V-6-B02 (0-3)
Date Collected: 08/15/16 10:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-2
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Phenanthrene	**0.097**		0.039	0.0055	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
Pyrene	**0.060**		0.039	0.0079	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*42 - 115*	*08/18/16 15:52*	*08/19/16 16:38*	*1*
2-Fluorophenol	*84*		*40 - 130*	*08/18/16 15:52*	*08/19/16 16:38*	*1*
Nitrobenzene-d5	*69*		*33 - 124*	*08/18/16 15:52*	*08/19/16 16:38*	*1*
Phenol-d5	*73*		*36 - 123*	*08/18/16 15:52*	*08/19/16 16:38*	*1*
Terphenyl-d14	*93*		*25 - 150*	*08/18/16 15:52*	*08/19/16 16:38*	*1*
2,4,6-Tribromophenol	*90*		*25 - 130*	*08/18/16 15:52*	*08/19/16 16:38*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.28**	**J**	1.1	0.23	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Arsenic	**3.6**		0.55	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Barium	**67**		0.55	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Beryllium	**0.37**		0.22	0.047	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Cadmium	**0.34**		0.11	0.032	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Chromium	**10**		0.55	0.094	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Cobalt	**6.4**		0.27	0.062	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Copper	**12**		0.55	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Iron	**11000**	**B**	11	4.2	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Lead	**29**		0.27	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Magnesium	**6500**	**B**	5.5	2.2	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Calcium	**10000**	**B**	11	3.5	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Manganese	**690**		0.55	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Nickel	**12**		0.55	0.15	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Selenium	**0.27**	**J**	0.55	0.27	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Vanadium	**16**		0.27	0.080	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Zinc	**47**		1.1	0.35	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Potassium	**730**		27	4.5	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	1
Sodium	**700**	**B**	55	7.2	mg/Kg	☼	08/17/16 08:33	08/17/16 16:58	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		08/18/16 09:05	08/18/16 17:02	1
Barium	**0.73**		0.50	0.050	mg/L		08/18/16 09:05	08/18/16 17:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 17:02	1
Cadmium	**0.0024**	**J**	0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 17:02	1

Client Sample ID: 2282V-6-B02 (0-3)
Date Collected: 08/15/16 10:00
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-2
Matrix: Solid
Percent Solids: 83.2

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**140**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 17:02	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:02	1
Cobalt	**0.051**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:02	1
Copper	**0.015**	**J B**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:02	1
Iron	**0.46**		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 17:02	1
Lead	**0.016**		0.0075	0.0075	mg/L		08/22/16 08:40	08/22/16 19:16	1
Magnesium	**49**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:02	1
Manganese	**20**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:02	1
Nickel	**0.035**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:02	1
Potassium	**10**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:02	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 17:02	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:02	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:02	1
Zinc	**0.15**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 17:02	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.11**		0.0075	0.0075	mg/L		08/18/16 13:57	08/19/16 18:33	1
Manganese	**1.5**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 18:33	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 09:37	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 09:37	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 10:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**	**F2**	0.019	0.010	mg/Kg	☼	08/17/16 15:45	08/18/16 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.50		0.50	0.17	mg/Kg	☼	08/19/16 11:15	08/19/16 15:33	1
pH	**7.7**		0.2	0.2	SU			08/24/16 14:36	1

Client Sample ID: 2282V-6-B02 (0-3) Dup

Date Collected: 08/15/16 10:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-3

Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.035**		0.021	0.0041	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Benzene	<0.0052		0.0052	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Bromodichloromethane	<0.0052		0.0052	0.00089	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Bromoform	<0.0052		0.0052	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Bromomethane	<0.0052		0.0052	0.0019	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
2-Butanone (MEK)	**0.0058**		0.0052	0.0019	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Carbon disulfide	<0.0052		0.0052	0.0019	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Carbon tetrachloride	<0.0052		0.0052	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Chlorobenzene	<0.0052		0.0052	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Chloroethane	<0.0052		0.0052	0.0022	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Chloroform	<0.0052		0.0052	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Chloromethane	<0.0052		0.0052	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
cis-1,2-Dichloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
cis-1,3-Dichloropropene	<0.0042		0.0042	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Dibromochloromethane	<0.0052		0.0052	0.00060	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,1-Dichloroethane	<0.0052		0.0052	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,2-Dichloroethane	<0.0052		0.0052	0.00078	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,1-Dichloroethene	<0.0052		0.0052	0.0019	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,2-Dichloropropane	<0.0052		0.0052	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,3-Dichloropropene, Total	<0.0042		0.0042	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Ethylbenzene	<0.0052		0.0052	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Methylene Chloride	<0.0052		0.0052	0.0040	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
4-Methyl-2-pentanone (MIBK)	<0.0052		0.0052	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Methyl tert-butyl ether	<0.0052		0.0052	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Styrene	<0.0052		0.0052	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,1,2,2-Tetrachloroethane	<0.0052		0.0052	0.00083	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Tetrachloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Toluene	<0.0052		0.0052	0.0018	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
trans-1,2-Dichloroethene	<0.0052		0.0052	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
trans-1,3-Dichloropropene	<0.0042		0.0042	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,1,1-Trichloroethane	<0.0052		0.0052	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
1,1,2-Trichloroethane	<0.0052		0.0052	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Trichloroethene	<0.0052		0.0052	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Vinyl acetate	<0.0052		0.0052	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Vinyl chloride	<0.0052		0.0052	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	08/16/16 12:00	08/17/16 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 120*	*08/16/16 12:00*	*08/17/16 11:58*	*1*
Dibromofluoromethane	*111*		*75 - 120*	*08/16/16 12:00*	*08/17/16 11:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*69 - 134*	*08/16/16 12:00*	*08/17/16 11:58*	*1*
Toluene-d8 (Surr)	*116*		*75 - 123*	*08/16/16 12:00*	*08/17/16 11:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0066	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Benzo[a]anthracene	**0.070**		0.036	0.0049	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1

Client Sample ID: 2282V-6-B02 (0-3) Dup
Date Collected: 08/15/16 10:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-3
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.079**		0.036	0.0071	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Benzo[b]fluoranthene	**0.13**		0.036	0.0079	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Benzo[g,h,i]perylene	**0.039**		0.036	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Benzo[k]fluoranthene	**0.042**		0.036	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Chrysene	**0.081**		0.036	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2,4-Dinitrophenol	<0.74		0.74	0.64	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Fluoranthene	**0.17**		0.036	0.0068	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Indeno[1,2,3-cd]pyrene	**0.043**		0.036	0.0095	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2-Methylnaphthalene	<0.074		0.074	0.0067	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1

Client Sample ID: 2282V-6-B02 (0-3) Dup

Date Collected: 08/15/16 10:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-3

Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Phenanthrene	**0.071**		0.036	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
Pyrene	**0.19**		0.036	0.0073	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*42 - 115*	*08/18/16 15:52*	*08/19/16 17:05*	*1*
2-Fluorophenol	*93*		*40 - 130*	*08/18/16 15:52*	*08/19/16 17:05*	*1*
Nitrobenzene-d5	*76*		*33 - 124*	*08/18/16 15:52*	*08/19/16 17:05*	*1*
Phenol-d5	*79*		*36 - 123*	*08/18/16 15:52*	*08/19/16 17:05*	*1*
Terphenyl-d14	*115*		*25 - 150*	*08/18/16 15:52*	*08/19/16 17:05*	*1*
2,4,6-Tribromophenol	*96*		*25 - 130*	*08/18/16 15:52*	*08/19/16 17:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.51**	**J**	1.0	0.21	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Arsenic	**3.2**		0.51	0.24	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Barium	**55**		0.51	0.094	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Beryllium	**0.33**		0.20	0.044	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Cadmium	**0.34**		0.10	0.030	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Chromium	**9.4**		0.51	0.088	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Cobalt	**5.3**		0.26	0.058	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Copper	**14**		0.51	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Iron	**9300**	**B**	10	3.9	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Lead	**41**		0.26	0.13	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Magnesium	**24000**	**B**	5.1	2.1	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Calcium	**58000**	**B**	100	33	mg/Kg	☼	08/17/16 08:33	08/18/16 16:37	10
Manganese	**460**		0.51	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Nickel	**11**		0.51	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Selenium	**0.29**	**J**	0.51	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Thallium	<0.51		0.51	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Vanadium	**16**		0.26	0.075	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Zinc	**51**		1.0	0.32	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Potassium	**660**		26	4.2	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	1
Sodium	**740**	**B**	51	6.8	mg/Kg	☼	08/17/16 08:33	08/17/16 17:02	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		08/18/16 09:05	08/18/16 17:09	1
Barium	**0.77**		0.50	0.050	mg/L		08/18/16 09:05	08/18/16 17:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 17:09	1
Cadmium	**0.0029**	**J**	0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 17:09	1

Client Sample ID: 2282V-6-B02 (0-3) Dup
Date Collected: 08/15/16 10:05
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-3
Matrix: Solid
Percent Solids: 86.8

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**240**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 17:09	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:09	1
Cobalt	**0.055**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:09	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		08/22/16 08:40	08/22/16 19:23	1
Iron	**0.59**		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 17:09	1
Lead	**0.022**		0.0075	0.0075	mg/L		08/22/16 08:40	08/22/16 19:23	1
Magnesium	**95**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:09	1
Manganese	**14**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:09	1
Nickel	**0.044**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:09	1
Potassium	**6.9**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:09	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 17:09	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:09	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:09	1
Zinc	**0.28**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 17:09	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.22**		0.0075	0.0075	mg/L		08/18/16 13:57	08/19/16 18:40	1
Manganese	**1.3**		0.025	0.010	mg/L		08/18/16 13:57	08/19/16 18:40	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 09:41	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 09:41	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 10:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.014**	**J**	0.018	0.0092	mg/Kg	☼	08/17/16 15:45	08/18/16 10:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.52		0.52	0.17	mg/Kg	☼	08/19/16 11:15	08/19/16 15:33	1
pH	**8.0**		0.2	0.2	SU			08/24/16 14:38	1

Client Sample ID: 2282V-6-B03 (0-3)
Date Collected: 08/15/16 10:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-4
Matrix: Solid
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0032	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Benzene	<0.0041		0.0041	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Bromoform	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
2-Butanone (MEK)	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Carbon tetrachloride	<0.0041		0.0041	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Chlorobenzene	<0.0041		0.0041	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Chloroform	<0.0041		0.0041	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Chloromethane	<0.0041		0.0041	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00093	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,1-Dichloroethane	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,2-Dichloroethane	<0.0041		0.0041	0.00061	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00084	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00097	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Styrene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,1,2,2-Tetrachloroethane	<0.0041		0.0041	0.00065	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Tetrachloroethene	<0.0041		0.0041	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Vinyl chloride	<0.0041		0.0041	0.00098	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1
Xylenes, Total	<0.0082		0.0082	0.0015	mg/Kg	☼	08/16/16 12:00	08/17/16 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 120*	*08/16/16 12:00*	*08/17/16 12:23*	*1*
Dibromofluoromethane	*112*		*75 - 120*	*08/16/16 12:00*	*08/17/16 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*69 - 134*	*08/16/16 12:00*	*08/17/16 12:23*	*1*
Toluene-d8 (Surr)	*114*		*75 - 123*	*08/16/16 12:00*	*08/17/16 12:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0070	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1

Client Sample ID: 2282V-6-B03 (0-3)
Date Collected: 08/15/16 10:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-4
Matrix: Solid
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Naphthalene	<0.038		0.038	0.0060	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Nitrobenzene	<0.038		0.038	0.0097	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1

Client Sample ID: 2282V-6-B03 (0-3)
Date Collected: 08/15/16 10:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-4
Matrix: Solid
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*42 - 115*	*08/18/16 15:52*	*08/19/16 11:44*	*1*
2-Fluorophenol	*90*		*40 - 130*	*08/18/16 15:52*	*08/19/16 11:44*	*1*
Nitrobenzene-d5	*71*		*33 - 124*	*08/18/16 15:52*	*08/19/16 11:44*	*1*
Phenol-d5	*76*		*36 - 123*	*08/18/16 15:52*	*08/19/16 11:44*	*1*
Terphenyl-d14	*84*		*25 - 150*	*08/18/16 15:52*	*08/19/16 11:44*	*1*
2,4,6-Tribromophenol	*86*		*25 - 130*	*08/18/16 15:52*	*08/19/16 11:44*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Arsenic	**5.9**		0.58	0.27	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Barium	**76**		0.58	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Beryllium	**0.53**		0.23	0.050	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Cadmium	**0.11**	**J**	0.12	0.034	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Chromium	**14**		0.58	0.10	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Cobalt	**8.3**		0.29	0.065	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Copper	**13**		0.58	0.13	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Iron	**16000**	**B**	12	4.5	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Lead	**11**		0.29	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Magnesium	**2200**	**B**	5.8	2.4	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Calcium	**1200**	**B**	12	3.7	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Manganese	**350**		0.58	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Nickel	**16**		0.58	0.16	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Selenium	**0.34**	**J**	0.58	0.29	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Vanadium	**22**		0.29	0.085	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Zinc	**52**		1.2	0.37	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Potassium	**740**		29	4.7	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1
Sodium	**1600**	**B**	58	7.6	mg/Kg	☼	08/17/16 08:33	08/17/16 17:08	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/18/16 09:05	08/18/16 17:16	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		08/18/16 09:05	08/18/16 17:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 17:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 17:16	1

Client Sample ID: 2282V-6-B03 (0-3)
Date Collected: 08/15/16 10:20
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-4
Matrix: Solid
Percent Solids: 81.6

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**27**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 17:16	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:16	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:16	1
Copper	**0.020**	**J B**	0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:16	1
Iron	**0.24**	**J**	0.40	0.20	mg/L		08/18/16 09:05	08/18/16 17:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/18/16 09:05	08/18/16 17:16	1
Magnesium	**6.6**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:16	1
Manganese	**0.036**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:16	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:16	1
Potassium	**1.4**	**J**	2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:16	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 17:16	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:16	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:16	1
Zinc	**0.038**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 17:16	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 09:45	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 09:45	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.036**		0.019	0.0098	mg/Kg	☼	08/17/16 15:45	08/18/16 10:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	08/19/16 11:15	08/19/16 15:33	1
pH	**8.1**		0.2	0.2	SU			08/24/16 14:40	1

Client Sample ID: 2282V-6-B04 (0-3)
Date Collected: 08/15/16 10:30
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-5
Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0030	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Benzene	<0.0038		0.0038	0.00085	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Bromodichloromethane	<0.0038		0.0038	0.00065	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Bromoform	<0.0038		0.0038	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
2-Butanone (MEK)	<0.0038		0.0038	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Carbon disulfide	<0.0038		0.0038	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Carbon tetrachloride	<0.0038		0.0038	0.00082	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Chlorobenzene	<0.0038		0.0038	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Chloroethane	<0.0038		0.0038	0.0016	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Chloroform	<0.0038		0.0038	0.00075	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Chloromethane	<0.0038		0.0038	0.00092	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
cis-1,2-Dichloroethene	<0.0038		0.0038	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
cis-1,3-Dichloropropene	<0.0031		0.0031	0.00088	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Dibromochloromethane	<0.0038		0.0038	0.00044	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
1,1-Dichloroethane	<0.0038		0.0038	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
1,2-Dichloroethane	<0.0038		0.0038	0.00057	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
1,1-Dichloroethene	<0.0038		0.0038	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
1,2-Dichloropropane	<0.0038		0.0038	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
1,3-Dichloropropene, Total	<0.0031		0.0031	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Ethylbenzene	<0.0038		0.0038	0.00095	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Methylene Chloride	<0.0038		0.0038	0.0029	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
4-Methyl-2-pentanone (MIBK)	<0.0038		0.0038	0.00079	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Methyl tert-butyl ether	<0.0038		0.0038	0.00091	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Styrene	<0.0038		0.0038	0.00090	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
1,1,2,2-Tetrachloroethane	<0.0038		0.0038	0.00061	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Tetrachloroethene	<0.0038		0.0038	0.00080	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Toluene	<0.0038		0.0038	0.0013	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
trans-1,2-Dichloroethene	<0.0038		0.0038	0.00096	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
trans-1,3-Dichloropropene	<0.0031		0.0031	0.0011	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
1,1,1-Trichloroethane	<0.0038		0.0038	0.00089	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
1,1,2-Trichloroethane	<0.0038		0.0038	0.00075	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Trichloroethene	<0.0038		0.0038	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Vinyl acetate	<0.0038		0.0038	0.0010	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Vinyl chloride	<0.0038		0.0038	0.00092	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1
Xylenes, Total	<0.0077		0.0077	0.0014	mg/Kg	☼	08/16/16 12:00	08/17/16 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*08/16/16 12:00*	*08/17/16 12:48*	*1*
Dibromofluoromethane	*110*		*75 - 120*	*08/16/16 12:00*	*08/17/16 12:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*69 - 134*	*08/16/16 12:00*	*08/17/16 12:48*	*1*
Toluene-d8 (Surr)	*118*		*75 - 123*	*08/16/16 12:00*	*08/17/16 12:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Benzo[a]anthracene	**0.0086**	**J**	0.037	0.0051	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1

Client Sample ID: 2282V-6-B04 (0-3)
Date Collected: 08/15/16 10:30
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-5
Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.011**	**J**	0.037	0.0073	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Benzo[b]fluoranthene	**0.022**	**J**	0.037	0.0081	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Chrysene	**0.014**	**J**	0.037	0.010	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Fluoranthene	**0.020**	**J**	0.037	0.0070	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Indeno[1,2,3-cd]pyrene	**0.010**	**J**	0.037	0.0097	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1

Client Sample ID: 2282V-6-B04 (0-3)
Date Collected: 08/15/16 10:30
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-5
Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Phenanthrene	**0.0070**	**J**	0.037	0.0052	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
Pyrene	**0.016**	**J**	0.037	0.0075	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/18/16 15:52	08/19/16 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*42 - 115*	*08/18/16 15:52*	*08/19/16 13:04*	*1*
2-Fluorophenol	*91*		*40 - 130*	*08/18/16 15:52*	*08/19/16 13:04*	*1*
Nitrobenzene-d5	*72*		*33 - 124*	*08/18/16 15:52*	*08/19/16 13:04*	*1*
Phenol-d5	*78*		*36 - 123*	*08/18/16 15:52*	*08/19/16 13:04*	*1*
Terphenyl-d14	*79*		*25 - 150*	*08/18/16 15:52*	*08/19/16 13:04*	*1*
2,4,6-Tribromophenol	*82*		*25 - 130*	*08/18/16 15:52*	*08/19/16 13:04*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Arsenic	**5.3**		0.53	0.25	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Barium	**68**		0.53	0.097	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Beryllium	**0.48**		0.21	0.046	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Cadmium	**0.13**		0.11	0.031	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Chromium	**12**		0.53	0.092	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Cobalt	**9.9**		0.27	0.060	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Copper	**12**		0.53	0.12	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Iron	**14000**	**B**	11	4.1	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Lead	**12**		0.27	0.13	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Magnesium	**2500**	**B**	5.3	2.2	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Calcium	**2700**	**B**	11	3.4	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Manganese	**500**		0.53	0.11	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Nickel	**13**		0.53	0.14	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Vanadium	**19**		0.27	0.078	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Zinc	**43**		1.1	0.34	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Potassium	**560**		27	4.3	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	1
Sodium	**360**	**B**	53	7.0	mg/Kg	☼	08/17/16 08:33	08/17/16 17:13	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		08/18/16 09:05	08/18/16 17:22	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		08/18/16 09:05	08/18/16 17:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/18/16 09:05	08/18/16 17:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/18/16 09:05	08/18/16 17:22	1

Client Sample ID: 2282V-6-B04 (0-3)
Date Collected: 08/15/16 10:30
Date Received: 08/16/16 10:25

Lab Sample ID: 500-115739-5
Matrix: Solid
Percent Solids: 86.7

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		5.0	0.50	mg/L		08/18/16 09:05	08/18/16 17:22	1
Chromium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:22	1
Cobalt	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:22	1
Copper	<0.025		0.025	0.010	mg/L		08/22/16 08:40	08/22/16 19:30	1
Iron	<0.40		0.40	0.20	mg/L		08/18/16 09:05	08/18/16 17:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/18/16 09:05	08/18/16 17:22	1
Magnesium	**41**		2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:22	1
Manganese	**0.11**		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:22	1
Nickel	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:22	1
Potassium	**1.0**	**J**	2.5	0.50	mg/L		08/18/16 09:05	08/18/16 17:22	1
Selenium	<0.050		0.050	0.020	mg/L		08/18/16 09:05	08/18/16 17:22	1
Silver	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:22	1
Vanadium	<0.025		0.025	0.010	mg/L		08/18/16 09:05	08/18/16 17:22	1
Zinc	**0.043**	**J B**	0.50	0.020	mg/L		08/18/16 09:05	08/18/16 17:22	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/18/16 09:05	08/19/16 09:49	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/18/16 09:05	08/19/16 09:49	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/18/16 10:17	08/19/16 11:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**		0.019	0.010	mg/Kg	☼	08/17/16 15:45	08/18/16 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	08/19/16 11:15	08/19/16 15:34	1
pH	**8.2**		0.2	0.2	SU			08/24/16 14:42	1

Qualifiers

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.

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.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115739-1

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	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-115739 COC

(optional)

Report To
Contact: Matt Weiss
Company: Terracon
Address: 135 Ambassador Dr
Address: Naperville, IL 60540
Phone: 630-445-0160
Fax:
E-Mail: matt.weiss@terracon.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-115739

Chain of Custody Number:

Page 1 of 5

Temperature °C of Cooler: 3.4, 2.7, 3.0

Client: IDOT
Client Project #: 11167058F
Project Name: Work Order 21
Project Location/State: Carpentersville
Lab Project #:
Sampler: Ryan J Peterson
Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total TAL 23 Inorganics	TCLP 23 Inorganics	SPLP 23 Inorganics	pH				Comments
1		2282V-6-B01 (0-3)	8/15	9:45	6	S	x	x	x	x	x	x				
2		2282V-6-B02 (0-3)	8/15	10:00	6	S	x	x	x	x	x	x				
3		2282V-6-B02 Dup (0-3)	8/15	10:05	6	S	x	x	x	x	x	x				
4		2282V-6-B03 (0-3)	8/15	10:20	6	S	x	x	x	x	x	x				
5		2282V-6-B04 (0-3)	8/15	10:30	6	S	x	x	x	x	x	x				

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
Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Terracon	8/15	17:45	[signature]	Terracon	8/15	17:45
[signature]	Terracon	8/16	9:20	[signature]	TA	8/16/16	09:20
[signature]	TA	8/16/16	1025	[signature]	TA-CHE	8/16/16	1025

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: Place SPLP Analysis on hold pending Terracon Approval

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-115739-1

Login Number: 115739
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4,2.7,3.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Illinois Environmental Protection Agency

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 3887- IL 31 at Miller Rd WO#021A Office Phone Number, if available: _____

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

IL 31 (Southbound) IDOT STA 482+80 to 485+80 and 488+80 to 490+00 (ISGS Site 2282V-8)

City: Carpentersville State: IL Zip Code: 60110

County: Kane Township: Dundee

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

Latitude: 42.12769 (Decimal Degrees) Longitude: -88.30094 (-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 Phone: 847-705-4101	Zip Code:	60196 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 3887- IL 31 at Miller Rd WO#021A

Latitude: 42.12769 Longitude: -88.30094

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)]:

Soil from borings B02, B03, B04 and B08 were sampled adjacent to ISGS Site No 2282V-8.
See Exhibits 2, 2D, 2E, 2F and Table 11 of the Preliminary Site Investigation Report prepared by Terracon dated October 7, 2016.

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

TestAmerica Lab Report No J115838-1 and J115818-2.
Also see Preliminary Site Investigation Report prepared by Terracon dated October 7, 2016. CCDD/USFO facility in MSA County.

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

I, Matt Weiss (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: Terracon Consultants, Inc

Street Address: 135 Ambassador Drive

City: Naperville State: IL Zip Code: 60540

Phone: 630-717-4263

Matt Weiss
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

10/7/16
Date:

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

LICENSED PROFESSIONAL GEOLOGIST
Expires 3/31/17
MATTHEW D WEISS
196-001316
ILLINOIS

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-8)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-8-B02 (0-5)	2282V-8-B02 (5-10)	2282V-8-B02 (10-13)	2282V-8-B03 (0-5)	2282V-8-B03 (5-10)	2282V-8-B03 (10-13)	2282V-8-B04 (0-5)	2282V-8-B04 (5-10)	2282V-8-B04 (5-10) Dup	2282V-8-B04 (10-13)	2282V-8-B08 (0-5)	2282V-8-B08 (5-10)	2282V-8-B08 (10-13)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)	(10-13)	(0-5)	(5-10)	(10-13)	(0-5)	(5-10)	(5-10)	(10-13)	(0-5)	(5-10)	(10-13)
				mg/kg	Date Collected	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/16/2016	08/16/2016	08/16/2016
		Chicago	MSAs	pH 6.25-9.0														
Volatile Organic Analytical Parameters																		
Acetone	mg/kg	---	---	25		0.036	<0.017	<0.015	<0.016	<0.018	<0.016	<0.015	<0.016	<0.018	<0.015	0.042	<0.018	<0.017
2-Butanone	mg/kg	---	---	17		0.0078	<0.0044	<0.0037	<0.0041	<0.0045	<0.0040	<0.0038	<0.0040	<0.0044	<0.0038	0.0088	<0.0045	<0.0042
Semivolatile Organic Analytical Parameters																		
Anthracene	mg/kg	0.25	0.4	12000		0.021	0.01	0.0061	<0.037	<0.038	0.011	0.013	<0.037	<0.040	<0.034	0.014	<0.040	0.011
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.15	0.056	0.043	0.023	<0.038	0.064	0.072	<0.037	<0.040	<0.034	0.081	<0.040	0.11
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.31	0.12	0.076	0.073	<0.038	0.1	0.2	0.019	<0.040	<0.034	0.11	<0.040	0.24
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.54	0.17	0.12	0.079	<0.038	0.14	0.2	0.026	<0.040	<0.034	0.21	<0.040	0.37
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		0.21	0.067	0.06	0.098	<0.038	0.17	0.34	<0.037	<0.040	<0.034	0.13	<0.040	0.2
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.18	0.08	0.04	0.017	<0.038	0.051	0.059	<0.037	<0.040	<0.034	0.053	<0.040	0.14
Chrysene	mg/kg	1.2	2.7	88		0.22	0.08	0.065	0.041	<0.038	0.094	0.12	<0.037	<0.040	<0.034	0.12	<0.040	0.17
Dibenzo(a,h)anthracene	mg/kg	0.2	0.42	0.09		<0.037	<0.040	<0.036	<0.037	<0.038	<0.037	<0.036	<0.037	<0.040	<0.034	<0.040	<0.040	0.044
Fluoranthene	mg/kg	2.7	4.1	3100		0.35	0.13	0.099	0.027	<0.038	0.13	0.096	<0.037	<0.040	<0.034	0.14	<0.040	0.24
Fluorene	mg/kg	0.1	0.18	560		0.0056	<0.040	<0.036	<0.037	<0.038	<0.037	<0.036	<0.037	<0.040	<0.034	<0.040	<0.040	0.0066
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		0.2	0.1	0.069	0.11	<0.038	0.13	0.29	<0.037	<0.040	<0.034	0.15	<0.040	0.17
Phenanthrene	mg/kg	1.3	2.5	210		0.17	0.076	0.045	0.01	<0.038	0.12	0.062	<0.037	<0.040	<0.034	0.082	<0.040	0.11
Pyrene	mg/kg	1.9	3.0	2300		0.58	0.24	0.15	0.11	<0.038	0.32	0.27	<0.037	<0.040	<0.034	0.31	<0.040	0.48
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.075	<0.080	<0.073	<0.075	<0.078	<0.075	<0.072	<0.075	<0.081	<0.069	0.0075	<0.080	<0.075
Inorganic Analytical Parameters																		
Arsenic	mg/kg	---	13	11.3		3.4	4.5	4.3	2.6	4.5	4.9	3.2	3.3	3.3	12	3.9	5.1	5.6
Barium	mg/kg	---	110	1500		40	54	33	18	46	40	21	36	37	21	28	73	45
Cadmium	mg/kg	---	0.6	5.2		0.41	0.2	0.18	0.14	0.23	0.22	0.16	0.12	0.15	0.16	0.29	0.25	0.14
Chromium, total	mg/kg	---	16.2	21		13	9.1	9.1	4.5	7.8	9	5.9	6	6.2	6.3	8.9	10	9.1
Lead	mg/kg	---	36	107		44	13	8.1	8.5	7.9	8.1	11	5.3	4.4	13	49	9.1	8.7
Mercury	mg/kg	---	0.06	0.1		0.015	0.018	0.012	<0.018	0.024	0.0098	0.016	<0.017	<0.020	0.011	0.03	0.026	0.024
Selenium	mg/kg	---	0.48	1.3		<0.58	<0.58	<0.53	0.33	<0.58	<0.54	<0.52	<0.54	<0.60	0.27	0.32	<0.60	<0.53
Silver	mg/kg	---	0.55	4.4		<0.29	<0.29	<0.27	<0.27	<0.29	<0.27	<0.26	<0.27	<0.30	<0.26	<0.30	<0.30	<0.27
Antimony	mg/kg	---	4.0	5		<1.2	<1.2	<1.1	0.23	<1.2	<1.1	<1.0	<1.1	<1.2	0.27	0.46	<1.2	0.43
Beryllium	mg/kg	---	0.59	22		0.29	0.38	0.38	0.22	0.31	0.31	0.22	0.24	0.2	0.21	0.27	0.42	0.39
Calcium	mg/kg	---	9,300	---		84000	7800	77000	120000	1500	25000	120000	3100	2000	98000	91000	18000	80000
Cobalt	mg/kg	---	8.9	20		5	6.1	6.4	3.3	6.1	5.9	3	4.1	5	4.5	4	7.3	5.9
Copper	mg/kg	---	19.6	2900		13	11	13	13	9.7	12	6.5	7.1	6.5	15	12	12	15
Cyanide	mg/kg	---	0.51	---		<0.55	<0.59	<0.54	<0.55	<0.51	<0.57	<0.53	<0.55	<0.59	<0.51	0.18	<0.61	<0.55
Iron	mg/kg	---	15,900	15000		10000	12000	11000	7800	11000	12000	6200	7800	7700	13000	8100	11000	11000
Magnesium	mg/kg	---	4,820	325000		41000	5700	27000	49000	1700	16000	51000	2000	1700	36000	45000	12000	28000
Manganese	mg/kg	---	636	630		430	330	280	190	400	360	230	230	290	330	240	430	320
Nickel	mg/kg	---	18	100		10	16	16	9.1	16	16	7.8	11	11	12	9.1	19	14
Potassium	mg/kg	---	1,268	---		610	770	1100	460	670	860	440	460	480	600	620	830	900
Sodium	mg/kg	---	130	---		830	560	290	650	310	220	480	190	120	170	750	630	490
Thallium	mg/kg	---	0.32	2.6		<0.58	<0.58	<0.53	<0.53	<0.58	<0.54	<0.52	<0.54	<0.60	<0.52	<0.59	<0.60	<0.53
Vanadium	mg/kg	---	25.2	550		15	19	16	15	17	17	11	13	14	14	14	21	18
Zinc	mg/kg	---	95	5100		73	40	35	22	33	36	30	24	22	38	47	43	36
pH			6.25	9		8.5	8.2	8.8	8.5	8.2	8.2	8.9	8.3	8.1	8.7	8.6	8.6	8.8

Comparison of Detected Constituents to MACs-PTB 174-009;Work Order:021A
Preliminary Site Investigation
FAU 3887-IL 31 at Miller Rd (PESA #2282V-8)
Unincorporated Carpentersville, Kane County, IL
Project No. 11167058F

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2282V-8-B02 (0-5)	2282V-8-B02 (5-10)	2282V-8-B02 (10-13)	2282V-8-B03 (0-5)	2282V-8-B03 (5-10)	2282V-8-B03 (10-13)	2282V-8-B04 (0-5)	2282V-8-B04 (5-10)	2282V-8-B04 (5-10) Dup	2282V-8-B04 (10-13)	2282V-8-B08 (0-5)	2282V-8-B08 (5-10)	2282V-8-B08 (10-13)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)	(10-13)	(0-5)	(5-10)	(10-13)	(0-5)	(5-10)	(5-10)	(10-13)	(0-5)	(5-10)	(10-13)
				mg/kg	Date Collected	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/17/2016	08/16/2016	08/16/2016	08/16/2016
		Chicago	MSAs	pH 6.25-9.0														
Inorganic Analytical Parameters (SPLP)																		
Antimony,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Barium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium,SPLP	mg/L	---	---	---		0.0021	--	--	--	--	--	--	--	--	--	--	--	--
Calcium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Copper,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Iron,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Lead,SPLP	mg/L	---	---	---		0.39	--	--	--	--	--	--	--	--	--	0.77	--	--
Magnesium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese,SPLP	mg/L	---	---	---		0.69	2.1	1.2	1.6	--	0.5	0.5	0.86	--	0.015	1	0.69	0.58
Mercury,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	0.095	--	--
Potassium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Silver,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide,SPLP	mg/L	---	---	---		--	--	--	--	--	--	--	--	--	--	--	--	--
Inorganic Analytical Parameters (TCLP)																		
Arsenic,TCLP	mg/L	---	---	---		0.013	<0.050	<0.050	0.011	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.7	0.72	0.42	0.55	0.2	0.39	0.36	0.41	0.35	0.24	0.41	0.5	0.44
Cadmium,TCLP	mg/L	---	---	---		0.0057	0.0027	0.002	0.003	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0045	0.0025	0.0021
Chromium,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Lead,TCLP	mg/L	---	---	---		0.066	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	0.059	<0.0075	<0.0075
Mercury,TCLP	mg/L	---	---	---		<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Selenium,TCLP	mg/L	---	---	---		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Silver,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Antimony,TCLP	mg/L	---	---	---		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Beryllium,TCLP	mg/L	---	---	---		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Calcium,TCLP	mg/L	---	---	---		250	200	440	190	24	250	340	95	51	280	250	260	500
Cobalt,TCLP	mg/L	---	---	---		0.04	0.047	<0.025	0.043	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.032	<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		0.011	0.012	0.014	0.012	0.015	<0.025	<0.025	<0.025	<0.025	<0.025	0.017	0.011	0.013
Cyanide,TCLP	mg/L	---	---	---		----	----	----	----	----	----	----	----	----	----	----	----	----
Iron,TCLP	mg/L	---	---	---		<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.44	<0.40	<0.40
Magnesium,TCLP	mg/L	---	---	---		100	110	100	92	8.6	140	110	36	21	150	110	120	84
Manganese,TCLP	mg/L	---	---	---		8.7	7.3	2.4	7.6	0.012	0.58	1.3	0.34	0.078	0.94	4.5	0.33	0.92
Nickel,TCLP	mg/L	---	---	---		0.026	0.034	0.014	0.023	<0.025	<0.025	<0.025	<0.025	<0.025	0.011	0.2	0.012	0.012
Potassium,TCLP	mg/L	---	---	---		2.7	1.7	1.6	3.2	3.6	2.2	4.5	2.3	1.8	2.5	3.3	2.1	1.8
Sodium,TCLP	mg/L	---	---	---		----	----	----	----	----	----	----	----	----	----	----	----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.51	0.044	<0.50	0.08	<0.50	<0.50	0.055	0.02	<0.50	<0.50	0.32	0.029	0.037

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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Tel: (708)534-5200

TestAmerica Job ID: 500-115838-1
Client Project/Site: IDOT - Carpentersville - WO 21
Revision: 1

For:
Terracon Consulting Eng & Scientists
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Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

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LINKS

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

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

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

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Job ID: 500-115838-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-115838-1

Revised Report
Laboratory samples -1 and -2 were reanalyzed and reported for semivolatiles at a 1x dilution.

Receipt
The samples were received on 8/17/2016 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.7º C and 3.2º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: One base surrogate and/or one acid surrogate failed to meet control limits for the following samples. Our SOP allows for one acid and/or one base surrogate to fail control limits in each sample. The data has been reported.

2282V-8-B01 (0-5) Dup (500-115838-2), 2282V-8-B02 (0-5) (500-115838-5), 2282V-8-B02 (5-10) (500-115838-6), 2282V-8-B03 (0-5) (500-115838-8), 2282V-8-B03 (5-10) (500-115838-9), 2282V-8-B03 (10-13) (500-115838-10), 2282V-8-B04 (0-5) (500-115838-11) and 2282V-8-B04 (5-10) (500-115838-12)

Method(s) 8270D: The following matrix spike/matrix spike duplicate (MS/MSD) recovered at 0% for one or more analytes. Data has been qualified and reported. 2282V-8-B01 (0-5) (500-115838-1)

Method(s) 8270D: These samples were originally reported at a 5x dilution, but due to the client's reporting limits, the samples were run at a 1x and reported.2282V-8-B01 (0-5) (500-115838-1) and 2282V-8-B01 (0-5) Dup (500-115838-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010B: The method blank for preparation batch 500-348538 and analytical batch 500-348815 contained Calcium, Iron and Magnesium above the reporting limit (RL). Associated samples 2282V-8-B01 (0-5) (500-115838-1), 2282V-8-B01 (0-5) Dup (500-115838-2), 2282V-8-B01 (5-10) (500-115838-3), 2282V-8-B01 (10-13) (500-115838-4), 2282V-8-B02 (0-5) (500-115838-5), 2282V-8-B02 (5-10) (500-115838-6), 2282V-8-B02 (10-13) (500-115838-7), 2282V-8-B03 (0-5) (500-115838-8), 2282V-8-B03 (5-10) (500-115838-9), 2282V-8-B03 (10-13) (500-115838-10), 2282V-8-B04 (0-5) (500-115838-11), 2282V-8-B04 (5-10) (500-115838-12), 2282V-8-B04 (5-10) Dup (500-115838-13) and 2282V-8-B04 (10-13) (500-115838-14) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method(s) 6010B: The interference check standard solution (ICSA) associated with Analytical batch 500-349168 had results for Cadmium above the reporting limit (RL). Associated samples 2282V-8-B01 (0-5) (500-115838-1) and 2282V-8-B02 (0-5) (500-115838-5) were non-detects for Cadmium, therefore the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B01 (0-5) — Lab Sample ID: 500-115838-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.022	J	0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.0055	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.070		0.037	0.0063	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.25		0.037	0.0051	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.32		0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.42		0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.37		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.13		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.40		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.074		0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.46		0.037	0.0070	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.032	J	0.037	0.0053	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.17		0.037	0.0098	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.052	J	0.076	0.0069	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.024	J	0.037	0.0058	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.37		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.92		0.037	0.0075	mg/Kg	1	☼	8270D	Total/NA
Arsenic	5.6		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	70		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.47		0.23	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.42		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	12		0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	7.8		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	12		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	14000	B	12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	44		0.29	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	5000	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	6500	B	12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	460	B	0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	15		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.43	J F1	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	60		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	780		29	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	1900	F1	58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.57		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0056		0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	310		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	130		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.3		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.2	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.078	J	0.50	0.020	mg/L	1		6010B	TCLP
Cadmium	0.0049	J ^	0.0050	0.0020	mg/L	1		6010B	SPLP East
Manganese	1.9		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.029		0.018	0.0096	mg/Kg	1	☼	7471B	Total/NA
pH	9.1		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B01 (0-5) Dup — Lab Sample ID: 500-115838-2

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B01 (0-5) Dup (Continued) — Lab Sample ID: 500-115838-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.044		0.035	0.0064	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.14		0.035	0.0059	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.64		0.035	0.0048	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.73		0.035	0.0069	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.98		0.035	0.0077	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.58		0.035	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.51		0.035	0.010	mg/Kg	1	☼	8270D	Total/NA
Carbazole	0.12	J	0.18	0.089	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.93		0.035	0.0097	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.19		0.035	0.0069	mg/Kg	1	☼	8270D	Total/NA
Dibenzofuran	0.053	J	0.18	0.042	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	1.4		0.035	0.0066	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.042		0.035	0.0050	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.52		0.035	0.0092	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.065	J	0.072	0.0065	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.019	J	0.035	0.0055	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	1.0		0.035	0.0049	mg/Kg	1	☼	8270D	Total/NA
Pyrene - DL	2.3		0.18	0.035	mg/Kg	5	☼	8270D	Total/NA
Arsenic	1.9		0.52	0.24	mg/Kg	1	☼	6010B	Total/NA
Barium	11		0.52	0.096	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.13	J	0.21	0.045	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.20		0.10	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	4.6		0.52	0.090	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.0		0.26	0.059	mg/Kg	1	☼	6010B	Total/NA
Copper	9.2		0.52	0.11	mg/Kg	1	☼	6010B	Total/NA
Iron	4900	B	10	4.0	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.26	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	97000	B	52	21	mg/Kg	10	☼	6010B	Total/NA
Calcium	160000	B	100	34	mg/Kg	10	☼	6010B	Total/NA
Manganese	350	B	0.52	0.10	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.1		0.52	0.14	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.32	J	0.52	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	9.4		0.26	0.076	mg/Kg	1	☼	6010B	Total/NA
Zinc	23		1.0	0.33	mg/Kg	1	☼	6010B	Total/NA
Potassium	350		26	4.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	290		52	6.9	mg/Kg	1	☼	6010B	Total/NA
Barium	0.50		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0033	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	340		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.034		0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	160		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.6		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.6	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.086	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.60		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.018		0.018	0.0094	mg/Kg	1	☼	7471B	Total/NA
pH	9.1		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B01 (5-10) — Lab Sample ID: 500-115838-3

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B01 (5-10) (Continued) — Lab Sample ID: 500-115838-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	51		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.32		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.9		0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.9		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	8.3		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	9400	B	11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	7.8		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	5700	B	5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	14000	B	11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	360	B	0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	11		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	31		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	560		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1100		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.54		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	290		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.043		0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	86		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.82		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	0.80	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.027	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.6		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.021		0.018	0.0096	mg/Kg	1	☼	7471B	Total/NA
pH	8.5		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B01 (10-13) — Lab Sample ID: 500-115838-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.032	J	0.038	0.0052	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.059		0.038	0.0074	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.094		0.038	0.0083	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.025	J	0.038	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.035	J	0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.040		0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.11		0.038	0.0071	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.039		0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.033	J	0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.097		0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Arsenic	4.2		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	56		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.32		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.6		0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.4		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	9.0		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	9400	B	12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	9.3		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B01 (10-13) (Continued) — Lab Sample ID: 500-115838-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	6300	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	9300	B	12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	340	B	0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	14		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	34		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	620		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	820		58	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.60		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0022	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	140		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.021	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	64		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.54		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.6	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.034	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.3		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.014	J	0.019	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	8.8		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B02 (0-5) — Lab Sample ID: 500-115838-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.036		0.017	0.0033	mg/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	0.0078		0.0043	0.0015	mg/Kg	1	☼	8260B	Total/NA
Anthracene	0.021	J	0.037	0.0062	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.15		0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.31		0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.54		0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.21		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.18		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.22		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.35		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0056	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.20		0.037	0.0096	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.17		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.58		0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Arsenic	3.4		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	40		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.29		0.23	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.41		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	13		0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.0		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	13		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	10000	B	12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	44		0.29	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	41000	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	84000	B	120	38	mg/Kg	10	☼	6010B	Total/NA
Manganese	430	B	0.58	0.12	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B02 (0-5) (Continued) — Lab Sample ID: 500-115838-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	10		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	73		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	610		29	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	830		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.013	J	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.70		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0057		0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	250		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.040		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Lead	0.066		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	100		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	8.7		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.026		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.7		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.51		0.50	0.020	mg/L	1		6010B	TCLP
Cadmium	0.0021	J ^	0.0050	0.0020	mg/L	1		6010B	SPLP East
Lead	0.39		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	0.69		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.015	J	0.017	0.0092	mg/Kg	1	☼	7471B	Total/NA
pH	8.5		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B02 (5-10) — Lab Sample ID: 500-115838-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.010	J	0.040	0.0067	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.056		0.040	0.0054	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.12		0.040	0.0077	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.17		0.040	0.0086	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.067		0.040	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.080		0.040	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.080		0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.13		0.040	0.0074	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.10		0.040	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.076		0.040	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.24		0.040	0.0079	mg/Kg	1	☼	8270D	Total/NA
Arsenic	4.5		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	54		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.38		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.20		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.1		0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.1		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	11		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	12000	B	12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	5700	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	7800	B	12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	330	B	0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	16		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B02 (5-10) (Continued) — Lab Sample ID: 500-115838-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	19		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	40		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	770		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	560		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.72		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0027	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	200		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.047		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	7.3		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.034		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.7	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.044	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	2.1		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.018	J	0.019	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	8.2		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B02 (10-13) — Lab Sample ID: 500-115838-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.0061	J	0.036	0.0060	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.043		0.036	0.0049	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.076		0.036	0.0070	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.12		0.036	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.060		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.040		0.036	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.065		0.036	0.0099	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.099		0.036	0.0067	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.069		0.036	0.0094	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.045		0.036	0.0050	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.15		0.036	0.0072	mg/Kg	1	☼	8270D	Total/NA
Arsenic	4.3		0.53	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	33		0.53	0.097	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.38		0.21	0.046	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.1		0.53	0.091	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.4		0.27	0.060	mg/Kg	1	☼	6010B	Total/NA
Copper	13		0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	11000	B	11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	8.1		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	27000	B	5.3	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	77000	B	110	34	mg/Kg	10	☼	6010B	Total/NA
Manganese	280	B	0.53	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	16		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.27	0.077	mg/Kg	1	☼	6010B	Total/NA
Zinc	35		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	1100		27	4.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	290		53	7.0	mg/Kg	1	☼	6010B	Total/NA
Barium	0.42	J	0.50	0.050	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B02 (10-13) (Continued) — Lab Sample ID: 500-115838-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.0020	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	440		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	100		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.4		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.6	J	2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.2		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.012	J	0.018	0.0097	mg/Kg	1	☼	7471B	Total/NA
pH	8.8		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B03 (0-5) — Lab Sample ID: 500-115838-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.023	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.073		0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.079		0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.098		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.017	J	0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.041		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.027	J	0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.11		0.037	0.0097	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.010	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.11		0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.23	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.6		0.53	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	18		0.53	0.097	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.22		0.21	0.046	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	4.5		0.53	0.091	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.3		0.27	0.060	mg/Kg	1	☼	6010B	Total/NA
Copper	13		0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	7800	B	11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	8.5		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	49000	B	5.3	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	120000	B	110	34	mg/Kg	10	☼	6010B	Total/NA
Manganese	190	B	0.53	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	9.1		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.33	J	0.53	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.27	0.078	mg/Kg	1	☼	6010B	Total/NA
Zinc	22		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	460		27	4.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	650		53	7.0	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.011	J	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.55		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0030	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	190		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.043		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	92		2.5	0.50	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B03 (0-5) (Continued) — Lab Sample ID: 500-115838-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	7.6		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.023	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.2		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.080	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.6		0.025	0.010	mg/L	1		6010B	SPLP East
pH	8.5		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B03 (5-10) — Lab Sample ID: 500-115838-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.5		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	46		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.31		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.23		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.8		0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.1		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	9.7		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	11000	B	12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	7.9		0.29	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	1700	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	1500	B	12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	400	B	0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	16		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	33		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	670		29	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	310		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.20	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	24		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	8.6		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.6		2.5	0.50	mg/L	1		6010B	TCLP
Mercury	0.024		0.017	0.0091	mg/Kg	1	☼	7471B	Total/NA
pH	8.2		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B03 (10-13) — Lab Sample ID: 500-115838-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.011	J	0.037	0.0062	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.064		0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.10		0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.14		0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.17		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.051		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.094		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.13		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.13		0.037	0.0097	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.12		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.32		0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B03 (10-13) (Continued) — Lab Sample ID: 500-115838-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.9		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	40		0.54	0.099	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.31		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.22		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.0		0.54	0.093	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.9		0.27	0.061	mg/Kg	1	☼	6010B	Total/NA
Copper	12		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	12000	B	11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	8.1		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	16000	B	5.4	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	25000	B	11	3.5	mg/Kg	1	☼	6010B	Total/NA
Manganese	360	B	0.54	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	16		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.27	0.079	mg/Kg	1	☼	6010B	Total/NA
Zinc	36		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	860		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	220		54	7.1	mg/Kg	1	☼	6010B	Total/NA
Barium	0.39	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	250		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	140		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.58		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.2	J	2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.50		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.0098	J	0.019	0.0097	mg/Kg	1	☼	7471B	Total/NA
pH	8.2		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B04 (0-5) — Lab Sample ID: 500-115838-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.013	J	0.036	0.0060	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.072		0.036	0.0048	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.20		0.036	0.0070	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.20		0.036	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.34		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.059		0.036	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.12		0.036	0.0098	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.096		0.036	0.0067	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.29		0.036	0.0093	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.062		0.036	0.0050	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.27		0.036	0.0071	mg/Kg	1	☼	8270D	Total/NA
Arsenic	3.2		0.52	0.24	mg/Kg	1	☼	6010B	Total/NA
Barium	21		0.52	0.094	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.22		0.21	0.045	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16		0.10	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	5.9		0.52	0.089	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.0		0.26	0.058	mg/Kg	1	☼	6010B	Total/NA
Copper	6.5		0.52	0.11	mg/Kg	1	☼	6010B	Total/NA
Iron	6200	B	10	4.0	mg/Kg	1	☼	6010B	Total/NA
Lead	11		0.26	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	51000	B	5.2	2.1	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B04 (0-5) (Continued) — Lab Sample ID: 500-115838-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	120000	B	100	33	mg/Kg	10	☼	6010B	Total/NA
Manganese	230	B	0.52	0.10	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.8		0.52	0.14	mg/Kg	1	☼	6010B	Total/NA
Vanadium	11		0.26	0.075	mg/Kg	1	☼	6010B	Total/NA
Zinc	30		1.0	0.33	mg/Kg	1	☼	6010B	Total/NA
Potassium	440		26	4.2	mg/Kg	1	☼	6010B	Total/NA
Sodium	480		52	6.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.36	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	340		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.3		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.5		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.055	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.50		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.016		0.016	0.0083	mg/Kg	1	☼	7471B	Total/NA
pH	8.9		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B04 (5-10) — Lab Sample ID: 500-115838-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.019	J	0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.026	J	0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Arsenic	3.3		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	36		0.54	0.098	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.24		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.12		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.0		0.54	0.093	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.1		0.27	0.061	mg/Kg	1	☼	6010B	Total/NA
Copper	7.1		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	7800	B	11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	5.3		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2000	B	5.4	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	3100	B	11	3.5	mg/Kg	1	☼	6010B	Total/NA
Manganese	230	B	0.54	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	11		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.27	0.079	mg/Kg	1	☼	6010B	Total/NA
Zinc	24		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	460		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	190		54	7.1	mg/Kg	1	☼	6010B	Total/NA
Barium	0.41	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	95		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	36		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.34		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.3	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.020	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.86		0.025	0.010	mg/L	1		6010B	SPLP East
pH	8.3		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B04 (5-10) Dup — Lab Sample ID: 500-115838-13

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B04 (5-10) Dup (Continued) — Lab Sample ID: 500-115838-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.3		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	37		0.60	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.20	J	0.24	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.15		0.12	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.2		0.60	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.0		0.30	0.068	mg/Kg	1	☼	6010B	Total/NA
Copper	6.5		0.60	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	7700	B	12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	4.4		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	1700	B	6.0	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	2000	B	12	3.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	290	B	0.60	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	11		0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.30	0.088	mg/Kg	1	☼	6010B	Total/NA
Zinc	22		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	480		30	4.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	120		60	8.0	mg/Kg	1	☼	6010B	Total/NA
Barium	0.35	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	51		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	21		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.078		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.8	J	2.5	0.50	mg/L	1		6010B	TCLP
pH	8.1		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B04 (10-13) — Lab Sample ID: 500-115838-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.27	J	1.0	0.21	mg/Kg	1	☼	6010B	Total/NA
Arsenic	12		0.52	0.24	mg/Kg	1	☼	6010B	Total/NA
Barium	21		0.52	0.095	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.21		0.21	0.045	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16		0.10	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.3		0.52	0.089	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.5		0.26	0.058	mg/Kg	1	☼	6010B	Total/NA
Copper	15		0.52	0.11	mg/Kg	1	☼	6010B	Total/NA
Iron	13000	B	10	4.0	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.26	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	36000	B	5.2	2.1	mg/Kg	1	☼	6010B	Total/NA
Calcium	98000	B	100	33	mg/Kg	10	☼	6010B	Total/NA
Manganese	330	B	0.52	0.10	mg/Kg	1	☼	6010B	Total/NA
Nickel	12		0.52	0.14	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.27	J	0.52	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.26	0.075	mg/Kg	1	☼	6010B	Total/NA
Zinc	38		1.0	0.33	mg/Kg	1	☼	6010B	Total/NA
Potassium	600		26	4.2	mg/Kg	1	☼	6010B	Total/NA
Sodium	170		52	6.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.24	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	280		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	150		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.94		0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B04 (10-13) (Continued)

Lab Sample ID: 500-115838-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.5	F1	2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.015	J	0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.011	J	0.016	0.0083	mg/Kg	1	☼	7471B	Total/NA
pH	8.7		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	SPLP Metals	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-115838-1	2282V-8-B01 (0-5)	Solid	08/17/16 11:00	08/17/16 17:10
500-115838-2	2282V-8-B01 (0-5) Dup	Solid	08/17/16 11:10	08/17/16 17:10
500-115838-3	2282V-8-B01 (5-10)	Solid	08/17/16 11:20	08/17/16 17:10
500-115838-4	2282V-8-B01 (10-13)	Solid	08/17/16 11:30	08/17/16 17:10
500-115838-5	2282V-8-B02 (0-5)	Solid	08/17/16 10:20	08/17/16 17:10
500-115838-6	2282V-8-B02 (5-10)	Solid	08/17/16 10:30	08/17/16 17:10
500-115838-7	2282V-8-B02 (10-13)	Solid	08/17/16 10:40	08/17/16 17:10
500-115838-8	2282V-8-B03 (0-5)	Solid	08/17/16 09:45	08/17/16 17:10
500-115838-9	2282V-8-B03 (5-10)	Solid	08/17/16 09:55	08/17/16 17:10
500-115838-10	2282V-8-B03 (10-13)	Solid	08/17/16 10:05	08/17/16 17:10
500-115838-11	2282V-8-B04 (0-5)	Solid	08/17/16 08:50	08/17/16 17:10
500-115838-12	2282V-8-B04 (5-10)	Solid	08/17/16 09:00	08/17/16 17:10
500-115838-13	2282V-8-B04 (5-10) Dup	Solid	08/17/16 09:10	08/17/16 17:10
500-115838-14	2282V-8-B04 (10-13)	Solid	08/17/16 09:20	08/17/16 17:10

Client Sample ID: 2282V-8-B01 (0-5)
Date Collected: 08/17/16 11:00
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-1
Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0032	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Benzene	<0.0041		0.0041	0.00091	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Bromoform	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
2-Butanone (MEK)	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Carbon tetrachloride	<0.0041		0.0041	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Chlorobenzene	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Chloroform	<0.0041		0.0041	0.00080	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Chloromethane	<0.0041		0.0041	0.00098	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00094	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
1,1-Dichloroethane	<0.0041		0.0041	0.00085	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
1,2-Dichloroethane	<0.0041		0.0041	0.00061	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00085	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Styrene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
1,1,2,2-Tetrachloroethane	<0.0041		0.0041	0.00065	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Tetrachloroethene	<0.0041		0.0041	0.00085	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00095	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00079	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Vinyl chloride	<0.0041		0.0041	0.00098	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1
Xylenes, Total	<0.0082		0.0082	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 120*	*08/17/16 18:05*	*08/18/16 14:41*	*1*
Dibromofluoromethane	*114*		*75 - 120*	*08/17/16 18:05*	*08/18/16 14:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*69 - 134*	*08/17/16 18:05*	*08/18/16 14:41*	*1*
Toluene-d8 (Surr)	*117*		*75 - 123*	*08/17/16 18:05*	*08/18/16 14:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.022**	**J**	0.037	0.0068	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Acenaphthylene	**0.0055**	**J**	0.037	0.0050	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Anthracene	**0.070**		0.037	0.0063	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Benzo[a]anthracene	**0.25**		0.037	0.0051	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B01 (0-5)
Date Collected: 08/17/16 11:00
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-1
Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.32**		0.037	0.0073	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Benzo[b]fluoranthene	**0.42**		0.037	0.0081	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Benzo[g,h,i]perylene	**0.37**		0.037	0.012	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Benzo[k]fluoranthene	**0.13**		0.037	0.011	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Chrysene	**0.40**		0.037	0.010	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Dibenz(a,h)anthracene	**0.074**		0.037	0.0073	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Fluoranthene	**0.46**		0.037	0.0070	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Fluorene	**0.032**	**J**	0.037	0.0053	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Indeno[1,2,3-cd]pyrene	**0.17**		0.037	0.0098	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2-Methylnaphthalene	**0.052**	**J**	0.076	0.0069	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Naphthalene	**0.024**	**J**	0.037	0.0058	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1

Client Sample ID: 2282V-8-B01 (0-5)
Date Collected: 08/17/16 11:00
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-1
Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Phenanthrene	**0.37**		0.037	0.0052	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
Pyrene	**0.92**		0.037	0.0075	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/23/16 07:35	09/02/16 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*42 - 115*	*08/23/16 07:35*	*09/02/16 19:35*	*1*
2-Fluorophenol	*109*		*40 - 130*	*08/23/16 07:35*	*09/02/16 19:35*	*1*
Nitrobenzene-d5	*99*		*33 - 124*	*08/23/16 07:35*	*09/02/16 19:35*	*1*
Phenol-d5	*94*		*36 - 123*	*08/23/16 07:35*	*09/02/16 19:35*	*1*
Terphenyl-d14	*189*	*X*	*25 - 150*	*08/23/16 07:35*	*09/02/16 19:35*	*1*
2,4,6-Tribromophenol	*115*		*25 - 130*	*08/23/16 07:35*	*09/02/16 19:35*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2	F1	1.2	0.24	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Arsenic	**5.6**		0.58	0.27	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Barium	**70**		0.58	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Beryllium	**0.47**		0.23	0.051	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Cadmium	**0.42**		0.12	0.034	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Chromium	**12**		0.58	0.10	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Cobalt	**7.8**		0.29	0.066	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Copper	**12**		0.58	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Iron	**14000**	**B**	12	4.5	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Lead	**44**		0.29	0.15	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Magnesium	**5000**	**B**	5.8	2.4	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Calcium	**6500**	**B**	12	3.8	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Manganese	**460**	**B**	0.58	0.12	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Nickel	**15**		0.58	0.16	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Selenium	**0.43**	**J F1**	0.58	0.29	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Vanadium	**21**		0.29	0.085	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Zinc	**60**		1.2	0.37	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Potassium	**780**		29	4.8	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1
Sodium	**1900**	**F1**	58	7.7	mg/Kg	☼	08/19/16 14:37	08/22/16 20:37	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/16 15:15	08/25/16 13:42	1
Barium	**0.57**		0.50	0.050	mg/L		08/24/16 15:15	08/25/16 13:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 13:42	1
Cadmium	**0.0056**		0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 13:42	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B01 (0-5)
Date Collected: 08/17/16 11:00
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-1
Matrix: Solid
Percent Solids: 84.7

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**310**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 13:42	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:42	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:42	1
Copper	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:42	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 13:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 13:42	1
Magnesium	**130**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:42	1
Manganese	**1.3**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:42	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:42	1
Potassium	**1.2**	**J**	2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:42	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 13:42	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:42	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:42	1
Zinc	**0.078**	**J**	0.50	0.020	mg/L		08/24/16 15:15	08/25/16 13:42	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.0049**	**J ^**	0.0050	0.0020	mg/L		08/23/16 14:05	08/25/16 00:59	1
Manganese	**1.9**		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 00:59	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 11:27	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 11:27	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**		0.018	0.0096	mg/Kg	☼	08/21/16 15:00	08/22/16 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	08/24/16 12:15	08/24/16 17:47	1
pH	**9.1**		0.2	0.2	SU			08/24/16 15:44	1

Client Sample ID: 2282V-8-B01 (0-5) Dup
Date Collected: 08/17/16 11:10
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-2
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0031	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Benzene	<0.0040		0.0040	0.00089	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Bromodichloromethane	<0.0040		0.0040	0.00068	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Bromoform	<0.0040		0.0040	0.00082	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
2-Butanone (MEK)	<0.0040		0.0040	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Carbon disulfide	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Carbon tetrachloride	<0.0040		0.0040	0.00086	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Chlorobenzene	<0.0040		0.0040	0.00094	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Chloroethane	<0.0040		0.0040	0.0017	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Chloroform	<0.0040		0.0040	0.00078	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Chloromethane	<0.0040		0.0040	0.00096	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
cis-1,2-Dichloroethene	<0.0040		0.0040	0.00082	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
cis-1,3-Dichloropropene	<0.0032		0.0032	0.00091	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Dibromochloromethane	<0.0040		0.0040	0.00046	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
1,1-Dichloroethane	<0.0040		0.0040	0.00082	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
1,2-Dichloroethane	<0.0040		0.0040	0.00059	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
1,1-Dichloroethene	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
1,2-Dichloropropane	<0.0040		0.0040	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
1,3-Dichloropropene, Total	<0.0032		0.0032	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Ethylbenzene	<0.0040		0.0040	0.00099	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Methylene Chloride	<0.0040		0.0040	0.0030	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.00082	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Methyl tert-butyl ether	<0.0040		0.0040	0.00094	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Styrene	<0.0040		0.0040	0.00094	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
1,1,2,2-Tetrachloroethane	<0.0040		0.0040	0.00064	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Tetrachloroethene	<0.0040		0.0040	0.00083	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Toluene	<0.0040		0.0040	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
trans-1,2-Dichloroethene	<0.0040		0.0040	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
trans-1,3-Dichloropropene	<0.0032		0.0032	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
1,1,1-Trichloroethane	<0.0040		0.0040	0.00093	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
1,1,2-Trichloroethane	<0.0040		0.0040	0.00077	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Trichloroethene	<0.0040		0.0040	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Vinyl acetate	<0.0040		0.0040	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Vinyl chloride	<0.0040		0.0040	0.00095	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1
Xylenes, Total	<0.0080		0.0080	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*08/17/16 18:05*	*08/18/16 15:06*	*1*
Dibromofluoromethane	*114*		*75 - 120*	*08/17/16 18:05*	*08/18/16 15:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*69 - 134*	*08/17/16 18:05*	*08/18/16 15:06*	*1*
Toluene-d8 (Surr)	*114*		*75 - 123*	*08/17/16 18:05*	*08/18/16 15:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.044**		0.035	0.0064	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Acenaphthylene	<0.035		0.035	0.0047	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Anthracene	**0.14**		0.035	0.0059	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Benzo[a]anthracene	**0.64**		0.035	0.0048	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1

Client Sample ID: 2282V-8-B01 (0-5) Dup
Date Collected: 08/17/16 11:10
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-2
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
Benzo[a]pyrene	**0.73**		0.035	0.0069	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Benzo[b]fluoranthene	**0.98**		0.035	0.0077	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Benzo[g,h,i]perylene	**0.58**		0.035	0.011	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Benzo[k]fluoranthene	**0.51**		0.035	0.010	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.053	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Butyl benzyl phthalate	<0.18		0.18	0.067	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Carbazole	**0.12**	**J**	0.18	0.089	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Chrysene	**0.93**		0.035	0.0097	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Dibenz(a,h)anthracene	**0.19**		0.035	0.0069	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Dibenzofuran	**0.053**	**J**	0.18	0.042	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
1,4-Dichlorobenzene	<0.18		0.18	0.045	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2,4-Dichlorophenol	<0.35		0.35	0.084	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Diethyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
4,6-Dinitro-2-methylphenol	<0.72		0.72	0.29	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2,4-Dinitrophenol	<0.72		0.72	0.62	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Fluoranthene	**1.4**		0.035	0.0066	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Fluorene	**0.042**		0.035	0.0050	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Hexachlorobenzene	<0.072		0.072	0.0082	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Hexachlorocyclopentadiene	<0.72		0.72	0.20	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Indeno[1,2,3-cd]pyrene	**0.52**		0.035	0.0092	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2-Methylnaphthalene	**0.065**	**J**	0.072	0.0065	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
3 & 4 Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Naphthalene	**0.019**	**J**	0.035	0.0055	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Nitrobenzene	<0.035		0.035	0.0089	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2-Nitrophenol	<0.35		0.35	0.084	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1

Client Sample ID: 2282V-8-B01 (0-5) Dup

Date Collected: 08/17/16 11:10
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-2

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
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
N-Nitrosodi-n-propylamine	<0.072		0.072	0.043	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Pentachlorophenol	<0.72		0.72	0.57	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Phenanthrene	**1.0**		0.035	0.0049	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
Phenol	<0.18		0.18	0.079	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2,4,5-Trichlorophenol	<0.35		0.35	0.081	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	08/23/16 07:35	09/02/16 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*42 - 115*	*08/23/16 07:35*	*09/02/16 20:02*	*1*
2-Fluorophenol	*119*		*40 - 130*	*08/23/16 07:35*	*09/02/16 20:02*	*1*
Nitrobenzene-d5	*110*		*33 - 124*	*08/23/16 07:35*	*09/02/16 20:02*	*1*
Phenol-d5	*101*		*36 - 123*	*08/23/16 07:35*	*09/02/16 20:02*	*1*
Terphenyl-d14	*220*	*X*	*25 - 150*	*08/23/16 07:35*	*09/02/16 20:02*	*1*
2,4,6-Tribromophenol	*124*		*25 - 130*	*08/23/16 07:35*	*09/02/16 20:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**2.3**		0.18	0.035	mg/Kg	☼	08/23/16 07:35	08/24/16 15:49	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.22	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Arsenic	**1.9**		0.52	0.24	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Barium	**11**		0.52	0.096	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Beryllium	**0.13**	**J**	0.21	0.045	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Cadmium	**0.20**		0.10	0.030	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Chromium	**4.6**		0.52	0.090	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Cobalt	**2.0**		0.26	0.059	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Copper	**9.2**		0.52	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Iron	**4900**	**B**	10	4.0	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Lead	**13**		0.26	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Magnesium	**97000**	**B**	52	21	mg/Kg	☼	08/19/16 14:37	08/23/16 12:41	10
Calcium	**160000**	**B**	100	34	mg/Kg	☼	08/19/16 14:37	08/23/16 12:41	10
Manganese	**350**	**B**	0.52	0.10	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Nickel	**7.1**		0.52	0.14	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Selenium	**0.32**	**J**	0.52	0.26	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Silver	<0.26		0.26	0.061	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Vanadium	**9.4**		0.26	0.076	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Zinc	**23**		1.0	0.33	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Potassium	**350**		26	4.3	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	1
Sodium	**290**		52	6.9	mg/Kg	☼	08/19/16 14:37	08/22/16 21:02	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		08/24/16 15:15	08/25/16 13:47	1

Client Sample ID: 2282V-8-B01 (0-5) Dup
Date Collected: 08/17/16 11:10
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-2
Matrix: Solid
Percent Solids: 91.2

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.50**		0.50	0.050	mg/L		08/24/16 15:15	08/25/16 13:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 13:47	1
Cadmium	**0.0033**	**J**	0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 13:47	1
Calcium	**340**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 13:47	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:47	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:47	1
Copper	**0.034**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:47	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 13:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 13:47	1
Magnesium	**160**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:47	1
Manganese	**1.6**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:47	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:47	1
Potassium	**1.6**	**J**	2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:47	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 13:47	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:47	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:47	1
Zinc	**0.086**	**J**	0.50	0.020	mg/L		08/24/16 15:15	08/25/16 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.60**		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 01:06	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 11:30	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 11:30	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**		0.018	0.0094	mg/Kg	☼	08/21/16 15:00	08/22/16 12:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.49		0.49	0.16	mg/Kg	☼	08/24/16 12:15	08/24/16 17:48	1
pH	**9.1**		0.2	0.2	SU			08/24/16 15:46	1

Client Sample ID: 2282V-8-B01 (5-10)
Date Collected: 08/17/16 11:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-3
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0035	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Carbon tetrachloride	<0.0045		0.0045	0.00096	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
cis-1,3-Dichloropropene	<0.0036		0.0036	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
1,3-Dichloropropene, Total	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00071	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
trans-1,3-Dichloropropene	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	08/17/16 18:05	08/18/16 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 120*	*08/17/16 18:05*	*08/18/16 15:31*	*1*
Dibromofluoromethane	*111*		*75 - 120*	*08/17/16 18:05*	*08/18/16 15:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*69 - 134*	*08/17/16 18:05*	*08/18/16 15:31*	*1*
Toluene-d8 (Surr)	*117*		*75 - 123*	*08/17/16 18:05*	*08/18/16 15:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B01 (5-10)
Date Collected: 08/17/16 11:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-3
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1

Client Sample ID: 2282V-8-B01 (5-10)
Date Collected: 08/17/16 11:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-3
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/23/16 07:35	08/23/16 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*42 - 115*	*08/23/16 07:35*	*08/23/16 21:58*	*1*
2-Fluorophenol	*83*		*40 - 130*	*08/23/16 07:35*	*08/23/16 21:58*	*1*
Nitrobenzene-d5	*74*		*33 - 124*	*08/23/16 07:35*	*08/23/16 21:58*	*1*
Phenol-d5	*83*		*36 - 123*	*08/23/16 07:35*	*08/23/16 21:58*	*1*
Terphenyl-d14	*100*		*25 - 150*	*08/23/16 07:35*	*08/23/16 21:58*	*1*
2,4,6-Tribromophenol	*58*		*25 - 130*	*08/23/16 07:35*	*08/23/16 21:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Arsenic	**4.4**		0.56	0.26	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Barium	**51**		0.56	0.10	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Beryllium	**0.32**		0.22	0.048	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Cadmium	**0.16**		0.11	0.032	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Chromium	**7.9**		0.56	0.096	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Cobalt	**4.9**		0.28	0.063	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Copper	**8.3**		0.56	0.12	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Iron	**9400**	**B**	11	4.3	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Lead	**7.8**		0.28	0.14	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Magnesium	**5700**	**B**	5.6	2.3	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Calcium	**14000**	**B**	11	3.6	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Manganese	**360**	**B**	0.56	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Nickel	**11**		0.56	0.15	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Vanadium	**16**		0.28	0.081	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Zinc	**31**		1.1	0.35	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Potassium	**560**		28	4.6	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1
Sodium	**1100**		56	7.4	mg/Kg	☼	08/19/16 14:37	08/22/16 21:07	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/16 15:15	08/25/16 13:51	1
Barium	**0.54**		0.50	0.050	mg/L		08/24/16 15:15	08/25/16 13:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 13:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 13:51	1

Client Sample ID: 2282V-8-B01 (5-10)
Date Collected: 08/17/16 11:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-3
Matrix: Solid
Percent Solids: 84.1

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**290**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 13:51	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:51	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:51	1
Copper	**0.043**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:51	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 13:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 13:51	1
Magnesium	**86**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:51	1
Manganese	**0.82**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:51	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:51	1
Potassium	**0.80**	**J**	2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:51	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 13:51	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:51	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:51	1
Zinc	**0.027**	**J**	0.50	0.020	mg/L		08/24/16 15:15	08/25/16 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.6**		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 01:13	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 11:33	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 11:33	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**		0.018	0.0096	mg/Kg	☼	08/21/16 15:00	08/22/16 12:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.52		0.52	0.17	mg/Kg	☼	08/24/16 12:15	08/24/16 17:48	1
pH	**8.5**		0.2	0.2	SU			08/24/16 15:48	1

Client Sample ID: 2282V-8-B01 (10-13)
Date Collected: 08/17/16 11:30
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-4
Matrix: Solid
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0033	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Benzene	<0.0043		0.0043	0.00094	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Bromodichloromethane	<0.0043		0.0043	0.00072	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Bromoform	<0.0043		0.0043	0.00087	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Carbon tetrachloride	<0.0043		0.0043	0.00091	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Chloroethane	<0.0043		0.0043	0.0018	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Chloroform	<0.0043		0.0043	0.00083	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00087	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
cis-1,3-Dichloropropene	<0.0034		0.0034	0.00097	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Dibromochloromethane	<0.0043		0.0043	0.00049	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
1,1-Dichloroethane	<0.0043		0.0043	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
1,2-Dichloroethane	<0.0043		0.0043	0.00063	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
1,1-Dichloroethene	<0.0043		0.0043	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
1,3-Dichloropropene, Total	<0.0034		0.0034	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Methylene Chloride	<0.0043		0.0043	0.0032	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
1,1,2,2-Tetrachloroethane	<0.0043		0.0043	0.00068	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Tetrachloroethene	<0.0043		0.0043	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
trans-1,3-Dichloropropene	<0.0034		0.0034	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.00099	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00082	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Trichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Vinyl acetate	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1
Xylenes, Total	<0.0085		0.0085	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 120*	*08/17/16 18:05*	*08/18/16 15:57*	*1*
Dibromofluoromethane	*111*		*75 - 120*	*08/17/16 18:05*	*08/18/16 15:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*69 - 134*	*08/17/16 18:05*	*08/18/16 15:57*	*1*
Toluene-d8 (Surr)	*114*		*75 - 123*	*08/17/16 18:05*	*08/18/16 15:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Benzo[a]anthracene	**0.032**	**J**	0.038	0.0052	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1

Client Sample ID: 2282V-8-B01 (10-13)
Date Collected: 08/17/16 11:30
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-4
Matrix: Solid
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.059**		0.038	0.0074	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Benzo[b]fluoranthene	**0.094**		0.038	0.0083	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Benzo[g,h,i]perylene	**0.025**	**J**	0.038	0.012	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Benzo[k]fluoranthene	**0.035**	**J**	0.038	0.011	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Chrysene	**0.040**		0.038	0.010	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Fluoranthene	**0.11**		0.038	0.0071	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Indeno[1,2,3-cd]pyrene	**0.039**		0.038	0.010	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1

Client Sample ID: 2282V-8-B01 (10-13)
Date Collected: 08/17/16 11:30
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-4
Matrix: Solid
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Phenanthrene	**0.033**	**J**	0.038	0.0054	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
Pyrene	**0.097**		0.038	0.0076	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/23/16 07:35	08/24/16 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*42 - 115*	*08/23/16 07:35*	*08/24/16 00:59*	*1*
2-Fluorophenol	*74*		*40 - 130*	*08/23/16 07:35*	*08/24/16 00:59*	*1*
Nitrobenzene-d5	*60*		*33 - 124*	*08/23/16 07:35*	*08/24/16 00:59*	*1*
Phenol-d5	*73*		*36 - 123*	*08/23/16 07:35*	*08/24/16 00:59*	*1*
Terphenyl-d14	*105*		*25 - 150*	*08/23/16 07:35*	*08/24/16 00:59*	*1*
2,4,6-Tribromophenol	*27*		*25 - 130*	*08/23/16 07:35*	*08/24/16 00:59*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Arsenic	**4.2**		0.58	0.27	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Barium	**56**		0.58	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Beryllium	**0.32**		0.23	0.050	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Cadmium	**0.18**		0.12	0.034	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Chromium	**8.6**		0.58	0.10	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Cobalt	**6.4**		0.29	0.065	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Copper	**9.0**		0.58	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Iron	**9400**	**B**	12	4.5	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Lead	**9.3**		0.29	0.14	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Magnesium	**6300**	**B**	5.8	2.4	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Calcium	**9300**	**B**	12	3.7	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Manganese	**340**	**B**	0.58	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Nickel	**14**		0.58	0.16	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Vanadium	**16**		0.29	0.085	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Zinc	**34**		1.2	0.37	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Potassium	**620**		29	4.7	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1
Sodium	**820**		58	7.6	mg/Kg	☼	08/19/16 14:37	08/22/16 21:12	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Barium	**0.60**		0.50	0.050	mg/L		08/24/16 15:15	08/25/16 13:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 13:56	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 13:56	1

Client Sample ID: 2282V-8-B01 (10-13)
Date Collected: 08/17/16 11:30
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-4
Matrix: Solid
Percent Solids: 83.0

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**140**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 13:56	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Copper	**0.021**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 13:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 13:56	1
Magnesium	**64**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:56	1
Manganese	**0.54**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Potassium	**1.6**	**J**	2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:56	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 13:56	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Zinc	**0.034**	**J**	0.50	0.020	mg/L		08/24/16 15:15	08/25/16 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.3**		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 01:19	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 11:37	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 11:37	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.014**	**J**	0.019	0.010	mg/Kg	☼	08/21/16 15:00	08/22/16 12:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	08/24/16 12:15	08/24/16 17:49	1
pH	**8.8**		0.2	0.2	SU			08/24/16 15:50	1

Client Sample ID: 2282V-8-B02 (0-5)
Date Collected: 08/17/16 10:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-5
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.036**		0.017	0.0033	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Benzene	<0.0043		0.0043	0.00095	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Bromodichloromethane	<0.0043		0.0043	0.00072	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Bromoform	<0.0043		0.0043	0.00087	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
2-Butanone (MEK)	**0.0078**		0.0043	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Carbon tetrachloride	<0.0043		0.0043	0.00091	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Chloroethane	<0.0043		0.0043	0.0018	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Chloroform	<0.0043		0.0043	0.00083	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00087	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
cis-1,3-Dichloropropene	<0.0034		0.0034	0.00097	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Dibromochloromethane	<0.0043		0.0043	0.00049	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
1,1-Dichloroethane	<0.0043		0.0043	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
1,2-Dichloroethane	<0.0043		0.0043	0.00063	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
1,3-Dichloropropene, Total	<0.0034		0.0034	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Methylene Chloride	<0.0043		0.0043	0.0032	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
1,1,2,2-Tetrachloroethane	<0.0043		0.0043	0.00068	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Tetrachloroethene	<0.0043		0.0043	0.00089	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
trans-1,3-Dichloropropene	<0.0034		0.0034	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.00099	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00083	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Vinyl acetate	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1
Xylenes, Total	<0.0085		0.0085	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 120*	*08/17/16 18:05*	*08/18/16 16:22*	*1*
Dibromofluoromethane	*112*		*75 - 120*	*08/17/16 18:05*	*08/18/16 16:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*69 - 134*	*08/17/16 18:05*	*08/18/16 16:22*	*1*
Toluene-d8 (Surr)	*116*		*75 - 123*	*08/17/16 18:05*	*08/18/16 16:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Anthracene	**0.021**	**J**	0.037	0.0062	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Benzo[a]anthracene	**0.15**		0.037	0.0050	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1

Client Sample ID: 2282V-8-B02 (0-5)
Date Collected: 08/17/16 10:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-5
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.31**		0.037	0.0072	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Benzo[b]fluoranthene	**0.54**		0.037	0.0080	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Benzo[g,h,i]perylene	**0.21**		0.037	0.012	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Benzo[k]fluoranthene	**0.18**		0.037	0.011	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Chrysene	**0.22**		0.037	0.010	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Fluoranthene	**0.35**		0.037	0.0069	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Fluorene	**0.0056**	**J**	0.037	0.0052	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Indeno[1,2,3-cd]pyrene	**0.20**		0.037	0.0096	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1

Client Sample ID: 2282V-8-B02 (0-5)
Date Collected: 08/17/16 10:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-5
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Phenanthrene	**0.17**		0.037	0.0052	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
Pyrene	**0.58**		0.037	0.0074	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/23/16 07:35	08/24/16 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*42 - 115*	*08/23/16 07:35*	*08/24/16 03:59*	*1*
2-Fluorophenol	*84*		*40 - 130*	*08/23/16 07:35*	*08/24/16 03:59*	*1*
Nitrobenzene-d5	*70*		*33 - 124*	*08/23/16 07:35*	*08/24/16 03:59*	*1*
Phenol-d5	*77*		*36 - 123*	*08/23/16 07:35*	*08/24/16 03:59*	*1*
Terphenyl-d14	*193*	*X*	*25 - 150*	*08/23/16 07:35*	*08/24/16 03:59*	*1*
2,4,6-Tribromophenol	*43*		*25 - 130*	*08/23/16 07:35*	*08/24/16 03:59*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Arsenic	**3.4**		0.58	0.27	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Barium	**40**		0.58	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Beryllium	**0.29**		0.23	0.051	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Cadmium	**0.41**		0.12	0.034	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Chromium	**13**		0.58	0.10	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Cobalt	**5.0**		0.29	0.066	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Copper	**13**		0.58	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Iron	**10000**	**B**	12	4.5	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Lead	**44**		0.29	0.15	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Magnesium	**41000**	**B**	5.8	2.4	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Calcium	**84000**	**B**	120	38	mg/Kg	☼	08/19/16 14:37	08/23/16 12:45	10
Manganese	**430**	**B**	0.58	0.12	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Nickel	**10**		0.58	0.16	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Vanadium	**15**		0.29	0.085	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Zinc	**73**		1.2	0.37	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Potassium	**610**		29	4.8	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1
Sodium	**830**		58	7.7	mg/Kg	☼	08/19/16 14:37	08/22/16 21:17	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.013**	**J**	0.050	0.010	mg/L		08/24/16 15:15	08/25/16 14:02	1
Barium	**0.70**		0.50	0.050	mg/L		08/24/16 15:15	08/25/16 14:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 14:02	1
Cadmium	**0.0057**		0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 14:02	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B02 (0-5)
Date Collected: 08/17/16 10:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-5
Matrix: Solid
Percent Solids: 85.0

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**250**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 14:02	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:02	1
Cobalt	**0.040**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:02	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:02	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 14:02	1
Lead	**0.066**		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 14:02	1
Magnesium	**100**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 14:02	1
Manganese	**8.7**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:02	1
Nickel	**0.026**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:02	1
Potassium	**2.7**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 14:02	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 14:02	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:02	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:02	1
Zinc	**0.51**		0.50	0.020	mg/L		08/24/16 15:15	08/25/16 14:02	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.0021**	**J ^**	0.0050	0.0020	mg/L		08/23/16 14:05	08/25/16 01:26	1
Lead	**0.39**		0.0075	0.0075	mg/L		08/23/16 14:05	08/26/16 12:03	1
Manganese	**0.69**		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 01:26	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 11:40	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 11:40	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.017	0.0092	mg/Kg	☼	08/21/16 15:00	08/22/16 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	08/24/16 12:15	08/24/16 17:49	1
pH	**8.5**		0.2	0.2	SU			08/24/16 15:52	1

Client Sample ID: 2282V-8-B02 (5-10)
Date Collected: 08/17/16 10:30
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-6
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0034	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Benzene	<0.0044		0.0044	0.00097	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Bromodichloromethane	<0.0044		0.0044	0.00073	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Bromoform	<0.0044		0.0044	0.00089	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
2-Butanone (MEK)	<0.0044		0.0044	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Carbon disulfide	<0.0044		0.0044	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Carbon tetrachloride	<0.0044		0.0044	0.00093	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Chlorobenzene	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Chloroethane	<0.0044		0.0044	0.0018	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Chloroform	<0.0044		0.0044	0.00085	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Chloromethane	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
cis-1,2-Dichloroethene	<0.0044		0.0044	0.00089	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
cis-1,3-Dichloropropene	<0.0035		0.0035	0.00099	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Dibromochloromethane	<0.0044		0.0044	0.00050	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
1,1-Dichloroethane	<0.0044		0.0044	0.00090	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
1,2-Dichloroethane	<0.0044		0.0044	0.00064	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
1,1-Dichloroethene	<0.0044		0.0044	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
1,2-Dichloropropane	<0.0044		0.0044	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
1,3-Dichloropropene, Total	<0.0035		0.0035	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Ethylbenzene	<0.0044		0.0044	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
2-Hexanone	<0.0044		0.0044	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Methylene Chloride	<0.0044		0.0044	0.0033	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.00090	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Methyl tert-butyl ether	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Styrene	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
1,1,2,2-Tetrachloroethane	<0.0044		0.0044	0.00069	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Tetrachloroethene	<0.0044		0.0044	0.00091	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Toluene	<0.0044		0.0044	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
trans-1,2-Dichloroethene	<0.0044		0.0044	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
trans-1,3-Dichloropropene	<0.0035		0.0035	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
1,1,1-Trichloroethane	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
1,1,2-Trichloroethane	<0.0044		0.0044	0.00084	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Trichloroethene	<0.0044		0.0044	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Vinyl acetate	<0.0044		0.0044	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Vinyl chloride	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1
Xylenes, Total	<0.0087		0.0087	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 120*	*08/17/16 18:05*	*08/18/16 16:47*	*1*
Dibromofluoromethane	*110*		*75 - 120*	*08/17/16 18:05*	*08/18/16 16:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*69 - 134*	*08/17/16 18:05*	*08/18/16 16:47*	*1*
Toluene-d8 (Surr)	*119*		*75 - 123*	*08/17/16 18:05*	*08/18/16 16:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Acenaphthylene	<0.040		0.040	0.0052	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Anthracene	**0.010**	**J**	0.040	0.0067	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Benzo[a]anthracene	**0.056**		0.040	0.0054	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B02 (5-10)
Date Collected: 08/17/16 10:30
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-6
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.12**		0.040	0.0077	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Benzo[b]fluoranthene	**0.17**		0.040	0.0086	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Benzo[g,h,i]perylene	**0.067**		0.040	0.013	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Benzo[k]fluoranthene	**0.080**		0.040	0.012	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Chrysene	**0.080**		0.040	0.011	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Fluoranthene	**0.13**		0.040	0.0074	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Indeno[1,2,3-cd]pyrene	**0.10**		0.040	0.010	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1

Client Sample ID: 2282V-8-B02 (5-10)
Date Collected: 08/17/16 10:30
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-6
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Phenanthrene	**0.076**		0.040	0.0055	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
Pyrene	**0.24**		0.040	0.0079	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	08/23/16 07:35	08/24/16 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*42 - 115*	*08/23/16 07:35*	*08/24/16 04:25*	*1*
2-Fluorophenol	*86*		*40 - 130*	*08/23/16 07:35*	*08/24/16 04:25*	*1*
Nitrobenzene-d5	*77*		*33 - 124*	*08/23/16 07:35*	*08/24/16 04:25*	*1*
Phenol-d5	*85*		*36 - 123*	*08/23/16 07:35*	*08/24/16 04:25*	*1*
Terphenyl-d14	*204*	*X*	*25 - 150*	*08/23/16 07:35*	*08/24/16 04:25*	*1*
2,4,6-Tribromophenol	*56*		*25 - 130*	*08/23/16 07:35*	*08/24/16 04:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Arsenic	**4.5**		0.58	0.27	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Barium	**54**		0.58	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Beryllium	**0.38**		0.23	0.050	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Cadmium	**0.20**		0.12	0.034	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Chromium	**9.1**		0.58	0.10	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Cobalt	**6.1**		0.29	0.066	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Copper	**11**		0.58	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Iron	**12000**	**B**	12	4.5	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Lead	**13**		0.29	0.14	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Magnesium	**5700**	**B**	5.8	2.4	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Calcium	**7800**	**B**	12	3.7	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Manganese	**330**	**B**	0.58	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Nickel	**16**		0.58	0.16	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Vanadium	**19**		0.29	0.085	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Zinc	**40**		1.2	0.37	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Potassium	**770**		29	4.7	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1
Sodium	**560**		58	7.7	mg/Kg	☼	08/19/16 14:37	08/22/16 21:34	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/16 15:15	08/25/16 14:07	1
Barium	**0.72**		0.50	0.050	mg/L		08/24/16 15:15	08/25/16 14:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 14:07	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 14:07	1

Client Sample ID: 2282V-8-B02 (5-10)
Date Collected: 08/17/16 10:30
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-6
Matrix: Solid
Percent Solids: 82.3

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**200**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 14:07	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:07	1
Cobalt	**0.047**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:07	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:07	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 14:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 14:07	1
Magnesium	**110**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 14:07	1
Manganese	**7.3**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:07	1
Nickel	**0.034**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:07	1
Potassium	**1.7**	**J**	2.5	0.50	mg/L		08/24/16 15:15	08/25/16 14:07	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 14:07	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:07	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:07	1
Zinc	**0.044**	**J**	0.50	0.020	mg/L		08/24/16 15:15	08/25/16 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**2.1**		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 01:33	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 11:44	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 11:44	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**	**J**	0.019	0.010	mg/Kg	☼	08/21/16 15:00	08/22/16 12:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.20	mg/Kg	☼	08/24/16 12:15	08/24/16 17:50	1
pH	**8.2**		0.2	0.2	SU			08/24/16 15:54	1

Client Sample ID: 2282V-8-B02 (10-13)
Date Collected: 08/17/16 10:40
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-7
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0029	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Benzene	<0.0037		0.0037	0.00083	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Bromodichloromethane	<0.0037		0.0037	0.00063	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Bromoform	<0.0037		0.0037	0.00076	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
2-Butanone (MEK)	<0.0037		0.0037	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Carbon disulfide	<0.0037		0.0037	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Carbon tetrachloride	<0.0037		0.0037	0.00080	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Chlorobenzene	<0.0037		0.0037	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Chloroethane	<0.0037		0.0037	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Chloroform	<0.0037		0.0037	0.00073	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Chloromethane	<0.0037		0.0037	0.00090	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
cis-1,2-Dichloroethene	<0.0037		0.0037	0.00076	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
cis-1,3-Dichloropropene	<0.0030		0.0030	0.00085	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Dibromochloromethane	<0.0037		0.0037	0.00043	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
1,1-Dichloroethane	<0.0037		0.0037	0.00077	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
1,2-Dichloroethane	<0.0037		0.0037	0.00055	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
1,1-Dichloroethene	<0.0037		0.0037	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
1,2-Dichloropropane	<0.0037		0.0037	0.00098	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
1,3-Dichloropropene, Total	<0.0030		0.0030	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Ethylbenzene	<0.0037		0.0037	0.00093	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Methylene Chloride	<0.0037		0.0037	0.0028	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
4-Methyl-2-pentanone (MIBK)	<0.0037		0.0037	0.00077	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Methyl tert-butyl ether	<0.0037		0.0037	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Styrene	<0.0037		0.0037	0.00087	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
1,1,2,2-Tetrachloroethane	<0.0037		0.0037	0.00059	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Tetrachloroethene	<0.0037		0.0037	0.00078	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Toluene	<0.0037		0.0037	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
trans-1,2-Dichloroethene	<0.0037		0.0037	0.00093	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
trans-1,3-Dichloropropene	<0.0030		0.0030	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
1,1,1-Trichloroethane	<0.0037		0.0037	0.00087	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
1,1,2-Trichloroethane	<0.0037		0.0037	0.00072	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Trichloroethene	<0.0037		0.0037	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Vinyl acetate	<0.0037		0.0037	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Vinyl chloride	<0.0037		0.0037	0.00089	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1
Xylenes, Total	<0.0075		0.0075	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 120*	*08/17/16 18:05*	*08/18/16 17:13*	*1*
Dibromofluoromethane	*108*		*75 - 120*	*08/17/16 18:05*	*08/18/16 17:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*69 - 134*	*08/17/16 18:05*	*08/18/16 17:13*	*1*
Toluene-d8 (Surr)	*115*		*75 - 123*	*08/17/16 18:05*	*08/18/16 17:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Anthracene	**0.0061**	**J**	0.036	0.0060	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Benzo[a]anthracene	**0.043**		0.036	0.0049	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B02 (10-13)
Date Collected: 08/17/16 10:40
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-7
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.076**		0.036	0.0070	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Benzo[b]fluoranthene	**0.12**		0.036	0.0078	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Benzo[g,h,i]perylene	**0.060**		0.036	0.012	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Benzo[k]fluoranthene	**0.040**		0.036	0.011	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Carbazole	<0.18		0.18	0.090	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Chrysene	**0.065**		0.036	0.0099	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Fluoranthene	**0.099**		0.036	0.0067	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Indeno[1,2,3-cd]pyrene	**0.069**		0.036	0.0094	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1

Client Sample ID: 2282V-8-B02 (10-13)

Date Collected: 08/17/16 10:40
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-7

Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Phenanthrene	**0.045**		0.036	0.0050	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
Pyrene	**0.15**		0.036	0.0072	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	08/23/16 07:35	08/24/16 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*42 - 115*	*08/23/16 07:35*	*08/24/16 16:43*	*1*
2-Fluorophenol	*94*		*40 - 130*	*08/23/16 07:35*	*08/24/16 16:43*	*1*
Nitrobenzene-d5	*82*		*33 - 124*	*08/23/16 07:35*	*08/24/16 16:43*	*1*
Phenol-d5	*71*		*36 - 123*	*08/23/16 07:35*	*08/24/16 16:43*	*1*
Terphenyl-d14	*149*		*25 - 150*	*08/23/16 07:35*	*08/24/16 16:43*	*1*
2,4,6-Tribromophenol	*40*		*25 - 130*	*08/23/16 07:35*	*08/24/16 16:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Arsenic	**4.3**		0.53	0.25	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Barium	**33**		0.53	0.097	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Beryllium	**0.38**		0.21	0.046	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Cadmium	**0.18**		0.11	0.031	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Chromium	**9.1**		0.53	0.091	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Cobalt	**6.4**		0.27	0.060	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Copper	**13**		0.53	0.12	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Iron	**11000**	**B**	11	4.1	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Lead	**8.1**		0.27	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Magnesium	**27000**	**B**	5.3	2.2	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Calcium	**77000**	**B**	110	34	mg/Kg	☼	08/19/16 14:37	08/23/16 12:50	10
Manganese	**280**	**B**	0.53	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Nickel	**16**		0.53	0.14	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Vanadium	**16**		0.27	0.077	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Zinc	**35**		1.1	0.34	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Potassium	**1100**		27	4.3	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1
Sodium	**290**		53	7.0	mg/Kg	☼	08/19/16 14:37	08/22/16 21:39	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/16 15:15	08/25/16 14:12	1
Barium	**0.42**	**J**	0.50	0.050	mg/L		08/24/16 15:15	08/25/16 14:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 14:12	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 14:12	1

Client Sample ID: 2282V-8-B02 (10-13)

Date Collected: 08/17/16 10:40
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-7

Matrix: Solid
Percent Solids: 86.8

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**440**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 14:12	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:12	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:12	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:12	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 14:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 14:12	1
Magnesium	**100**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 14:12	1
Manganese	**2.4**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:12	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:12	1
Potassium	**1.6**	**J**	2.5	0.50	mg/L		08/24/16 15:15	08/25/16 14:12	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 14:12	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:12	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:12	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/16 15:15	08/25/16 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.2**		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 01:40	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 11:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 11:47	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.018	0.0097	mg/Kg	☼	08/21/16 15:00	08/22/16 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.18	mg/Kg	☼	08/24/16 12:15	08/24/16 17:51	1
pH	**8.8**		0.2	0.2	SU			08/24/16 15:56	1

Client Sample ID: 2282V-8-B03 (0-5)
Date Collected: 08/17/16 09:45
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-8
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0031	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Benzene	<0.0041		0.0041	0.00090	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Bromoform	<0.0041		0.0041	0.00083	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
2-Butanone (MEK)	<0.0041		0.0041	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Carbon tetrachloride	<0.0041		0.0041	0.00087	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Chlorobenzene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Chloroform	<0.0041		0.0041	0.00079	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Chloromethane	<0.0041		0.0041	0.00098	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00083	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00093	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
1,1-Dichloroethane	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
1,2-Dichloroethane	<0.0041		0.0041	0.00060	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00096	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Styrene	<0.0041		0.0041	0.00095	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
1,1,2,2-Tetrachloroethane	<0.0041		0.0041	0.00065	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Tetrachloroethene	<0.0041		0.0041	0.00085	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00094	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00079	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Vinyl chloride	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1
Xylenes, Total	<0.0081		0.0081	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*08/17/16 18:05*	*08/18/16 17:38*	*1*
Dibromofluoromethane	*112*		*75 - 120*	*08/17/16 18:05*	*08/18/16 17:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*69 - 134*	*08/17/16 18:05*	*08/18/16 17:38*	*1*
Toluene-d8 (Surr)	*114*		*75 - 123*	*08/17/16 18:05*	*08/18/16 17:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Benzo[a]anthracene	**0.023**	**J**	0.037	0.0050	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1

Client Sample ID: 2282V-8-B03 (0-5)
Date Collected: 08/17/16 09:45
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-8
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.073**		0.037	0.0072	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Benzo[b]fluoranthene	**0.079**		0.037	0.0080	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Benzo[g,h,i]perylene	**0.098**		0.037	0.012	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Benzo[k]fluoranthene	**0.017**	**J**	0.037	0.011	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Chrysene	**0.041**		0.037	0.010	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Fluoranthene	**0.027**	**J**	0.037	0.0069	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Indeno[1,2,3-cd]pyrene	**0.11**		0.037	0.0097	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2-Methylnaphthalene	<0.075		0.075	0.0069	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1

Client Sample ID: 2282V-8-B03 (0-5)
Date Collected: 08/17/16 09:45
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-8
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Phenanthrene	**0.010**	**J**	0.037	0.0052	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
Pyrene	**0.11**		0.037	0.0074	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/23/16 07:35	08/24/16 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*42 - 115*	*08/23/16 07:35*	*08/24/16 22:06*	*1*
2-Fluorophenol	*92*		*40 - 130*	*08/23/16 07:35*	*08/24/16 22:06*	*1*
Nitrobenzene-d5	*76*		*33 - 124*	*08/23/16 07:35*	*08/24/16 22:06*	*1*
Phenol-d5	*80*		*36 - 123*	*08/23/16 07:35*	*08/24/16 22:06*	*1*
Terphenyl-d14	*187*	*X*	*25 - 150*	*08/23/16 07:35*	*08/24/16 22:06*	*1*
2,4,6-Tribromophenol	*55*		*25 - 130*	*08/23/16 07:35*	*08/24/16 22:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.23**	**J**	1.1	0.22	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Arsenic	**2.6**		0.53	0.25	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Barium	**18**		0.53	0.097	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Beryllium	**0.22**		0.21	0.046	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Cadmium	**0.14**		0.11	0.031	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Chromium	**4.5**		0.53	0.091	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Cobalt	**3.3**		0.27	0.060	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Copper	**13**		0.53	0.12	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Iron	**7800**	**B**	11	4.1	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Lead	**8.5**		0.27	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Magnesium	**49000**	**B**	5.3	2.2	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Calcium	**120000**	**B**	110	34	mg/Kg	☼	08/19/16 14:37	08/23/16 12:54	10
Manganese	**190**	**B**	0.53	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Nickel	**9.1**		0.53	0.14	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Selenium	**0.33**	**J**	0.53	0.26	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Vanadium	**15**		0.27	0.078	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Zinc	**22**		1.1	0.34	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Potassium	**460**		27	4.3	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	1
Sodium	**650**		53	7.0	mg/Kg	☼	08/19/16 14:37	08/22/16 21:45	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		08/24/16 15:15	08/25/16 14:16	1
Barium	**0.55**		0.50	0.050	mg/L		08/24/16 15:15	08/25/16 14:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 14:16	1
Cadmium	**0.0030**	**J**	0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 14:16	1

Client Sample ID: 2282V-8-B03 (0-5)
Date Collected: 08/17/16 09:45
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-8
Matrix: Solid
Percent Solids: 87.4

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**190**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 14:16	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:16	1
Cobalt	**0.043**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:16	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:16	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 14:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 14:16	1
Magnesium	**92**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 14:16	1
Manganese	**7.6**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:16	1
Nickel	**0.023**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:16	1
Potassium	**3.2**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 14:16	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 14:16	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:16	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 14:16	1
Zinc	**0.080**	**J**	0.50	0.020	mg/L		08/24/16 15:15	08/25/16 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.6**		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 01:47	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 11:50	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 11:50	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.018		0.018	0.0096	mg/Kg	☼	08/21/16 15:00	08/22/16 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	08/24/16 12:15	08/24/16 17:52	1
pH	**8.5**		0.2	0.2	SU			08/24/16 15:59	1

Client Sample ID: 2282V-8-B03 (5-10)
Date Collected: 08/17/16 09:55
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-9
Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0035	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Carbon tetrachloride	<0.0045		0.0045	0.00097	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
cis-1,3-Dichloropropene	<0.0036		0.0036	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
1,3-Dichloropropene, Total	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00072	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
trans-1,3-Dichloropropene	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	08/17/16 18:05	08/18/16 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 120*	*08/17/16 18:05*	*08/18/16 18:04*	*1*
Dibromofluoromethane	*109*		*75 - 120*	*08/17/16 18:05*	*08/18/16 18:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*69 - 134*	*08/17/16 18:05*	*08/18/16 18:04*	*1*
Toluene-d8 (Surr)	*117*		*75 - 123*	*08/17/16 18:05*	*08/18/16 18:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1

Client Sample ID: 2282V-8-B03 (5-10)
Date Collected: 08/17/16 09:55
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-9
Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1

Client Sample ID: 2282V-8-B03 (5-10)
Date Collected: 08/17/16 09:55
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-9
Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/23/16 07:35	08/23/16 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*42 - 115*	*08/23/16 07:35*	*08/23/16 22:24*	*1*
2-Fluorophenol	*62*		*40 - 130*	*08/23/16 07:35*	*08/23/16 22:24*	*1*
Nitrobenzene-d5	*51*		*33 - 124*	*08/23/16 07:35*	*08/23/16 22:24*	*1*
Phenol-d5	*57*		*36 - 123*	*08/23/16 07:35*	*08/23/16 22:24*	*1*
Terphenyl-d14	*68*		*25 - 150*	*08/23/16 07:35*	*08/23/16 22:24*	*1*
2,4,6-Tribromophenol	*21*	*X*	*25 - 130*	*08/23/16 07:35*	*08/23/16 22:24*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Arsenic	**4.5**		0.58	0.27	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Barium	**46**		0.58	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Beryllium	**0.31**		0.23	0.050	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Cadmium	**0.23**		0.12	0.034	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Chromium	**7.8**		0.58	0.10	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Cobalt	**6.1**		0.29	0.066	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Copper	**9.7**		0.58	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Iron	**11000**	**B**	12	4.5	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Lead	**7.9**		0.29	0.15	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Magnesium	**1700**	**B**	5.8	2.4	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Calcium	**1500**	**B**	12	3.8	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Manganese	**400**	**B**	0.58	0.12	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Nickel	**16**		0.58	0.16	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Vanadium	**17**		0.29	0.085	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Zinc	**33**		1.2	0.37	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Potassium	**670**		29	4.8	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	1
Sodium	**310**		58	7.7	mg/Kg	☼	08/19/16 14:37	08/22/16 21:50	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		08/24/16 15:15	08/25/16 13:22	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		08/24/16 15:15	08/25/16 13:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 13:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 13:22	1

Client Sample ID: 2282V-8-B03 (5-10)
Date Collected: 08/17/16 09:55
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-9
Matrix: Solid
Percent Solids: 82.4

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**24**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 13:22	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:22	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:22	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:22	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 13:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 13:22	1
Magnesium	**8.6**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:22	1
Manganese	**0.012**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:22	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:22	1
Potassium	**3.6**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:22	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 13:22	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:22	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:22	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/16 15:15	08/25/16 13:22	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 12:04	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 12:04	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**		0.017	0.0091	mg/Kg	☼	08/21/16 15:00	08/22/16 13:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.51		0.51	0.17	mg/Kg	☼	08/24/16 12:15	08/24/16 17:52	1
pH	**8.2**		0.2	0.2	SU			08/24/16 16:01	1

Client Sample ID: 2282V-8-B03 (10-13)
Date Collected: 08/17/16 10:05
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-10
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0031	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Benzene	<0.0040		0.0040	0.00089	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Bromodichloromethane	<0.0040		0.0040	0.00067	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Bromoform	<0.0040		0.0040	0.00081	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
2-Butanone (MEK)	<0.0040		0.0040	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Carbon disulfide	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Carbon tetrachloride	<0.0040		0.0040	0.00085	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Chlorobenzene	<0.0040		0.0040	0.00094	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Chloroethane	<0.0040		0.0040	0.0017	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Chloroform	<0.0040		0.0040	0.00078	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Chloromethane	<0.0040		0.0040	0.00096	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
cis-1,2-Dichloroethene	<0.0040		0.0040	0.00081	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
cis-1,3-Dichloropropene	<0.0032		0.0032	0.00091	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Dibromochloromethane	<0.0040		0.0040	0.00046	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
1,1-Dichloroethane	<0.0040		0.0040	0.00082	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
1,2-Dichloroethane	<0.0040		0.0040	0.00059	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
1,1-Dichloroethene	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
1,2-Dichloropropane	<0.0040		0.0040	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
1,3-Dichloropropene, Total	<0.0032		0.0032	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Ethylbenzene	<0.0040		0.0040	0.00099	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Methylene Chloride	<0.0040		0.0040	0.0030	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.00082	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Methyl tert-butyl ether	<0.0040		0.0040	0.00094	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Styrene	<0.0040		0.0040	0.00093	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
1,1,2,2-Tetrachloroethane	<0.0040		0.0040	0.00063	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Tetrachloroethene	<0.0040		0.0040	0.00083	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Toluene	<0.0040		0.0040	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
trans-1,2-Dichloroethene	<0.0040		0.0040	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
trans-1,3-Dichloropropene	<0.0032		0.0032	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
1,1,1-Trichloroethane	<0.0040		0.0040	0.00093	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
1,1,2-Trichloroethane	<0.0040		0.0040	0.00077	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Trichloroethene	<0.0040		0.0040	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Vinyl acetate	<0.0040		0.0040	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Vinyl chloride	<0.0040		0.0040	0.00095	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1
Xylenes, Total	<0.0080		0.0080	0.0015	mg/Kg	☼	08/17/16 18:05	08/18/16 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 120*	*08/17/16 18:05*	*08/18/16 18:29*	*1*
Dibromofluoromethane	*113*		*75 - 120*	*08/17/16 18:05*	*08/18/16 18:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*69 - 134*	*08/17/16 18:05*	*08/18/16 18:29*	*1*
Toluene-d8 (Surr)	*117*		*75 - 123*	*08/17/16 18:05*	*08/18/16 18:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Anthracene	**0.011**	**J**	0.037	0.0062	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Benzo[a]anthracene	**0.064**		0.037	0.0050	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B03 (10-13)
Date Collected: 08/17/16 10:05
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-10
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.10**		0.037	0.0072	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Benzo[b]fluoranthene	**0.14**		0.037	0.0081	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Benzo[g,h,i]perylene	**0.17**		0.037	0.012	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Benzo[k]fluoranthene	**0.051**		0.037	0.011	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Chrysene	**0.094**		0.037	0.010	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Fluoranthene	**0.13**		0.037	0.0069	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Indeno[1,2,3-cd]pyrene	**0.13**		0.037	0.0097	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2-Methylnaphthalene	<0.075		0.075	0.0069	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1

Client Sample ID: 2282V-8-B03 (10-13)
Date Collected: 08/17/16 10:05
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-10
Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.75		0.75	0.36	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Phenanthrene	**0.12**		0.037	0.0052	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
Pyrene	**0.32**		0.037	0.0074	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/23/16 07:35	08/24/16 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*42 - 115*	*08/23/16 07:35*	*08/24/16 22:33*	*1*
2-Fluorophenol	*85*		*40 - 130*	*08/23/16 07:35*	*08/24/16 22:33*	*1*
Nitrobenzene-d5	*72*		*33 - 124*	*08/23/16 07:35*	*08/24/16 22:33*	*1*
Phenol-d5	*76*		*36 - 123*	*08/23/16 07:35*	*08/24/16 22:33*	*1*
Terphenyl-d14	*162*	*X*	*25 - 150*	*08/23/16 07:35*	*08/24/16 22:33*	*1*
2,4,6-Tribromophenol	*37*		*25 - 130*	*08/23/16 07:35*	*08/24/16 22:33*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Arsenic	**4.9**		0.54	0.25	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Barium	**40**		0.54	0.099	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Beryllium	**0.31**		0.22	0.047	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Cadmium	**0.22**		0.11	0.031	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Chromium	**9.0**		0.54	0.093	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Cobalt	**5.9**		0.27	0.061	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Copper	**12**		0.54	0.12	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Iron	**12000**	**B**	11	4.2	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Lead	**8.1**		0.27	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Magnesium	**16000**	**B**	5.4	2.2	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Calcium	**25000**	**B**	11	3.5	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Manganese	**360**	**B**	0.54	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Nickel	**16**		0.54	0.15	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Vanadium	**17**		0.27	0.079	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Zinc	**36**		1.1	0.34	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Potassium	**860**		27	4.4	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	1
Sodium	**220**		54	7.1	mg/Kg	☼	08/19/16 14:37	08/22/16 21:54	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		08/24/16 15:15	08/25/16 13:29	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		08/24/16 15:15	08/25/16 13:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 13:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 13:29	1

Client Sample ID: 2282V-8-B03 (10-13)
Date Collected: 08/17/16 10:05
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-10
Matrix: Solid
Percent Solids: 85.4

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**250**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 13:29	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:29	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:29	1
Copper	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:29	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 13:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 13:29	1
Magnesium	**140**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:29	1
Manganese	**0.58**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:29	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:29	1
Potassium	**2.2**	**J**	2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:29	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 13:29	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:29	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:29	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/16 15:15	08/25/16 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.50**		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 02:16	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 12:08	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 12:08	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0098**	**J**	0.019	0.0097	mg/Kg	☼	08/21/16 15:00	08/22/16 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	08/24/16 12:15	08/24/16 17:53	1
pH	**8.2**		0.2	0.2	SU			08/24/16 16:03	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B04 (0-5)
Date Collected: 08/17/16 08:50
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-11
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0030	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Benzene	<0.0038		0.0038	0.00085	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Bromodichloromethane	<0.0038		0.0038	0.00065	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Bromoform	<0.0038		0.0038	0.00078	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
2-Butanone (MEK)	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Carbon disulfide	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Carbon tetrachloride	<0.0038		0.0038	0.00082	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Chlorobenzene	<0.0038		0.0038	0.00091	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Chloroethane	<0.0038		0.0038	0.0016	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Chloroform	<0.0038		0.0038	0.00075	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Chloromethane	<0.0038		0.0038	0.00092	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
cis-1,2-Dichloroethene	<0.0038		0.0038	0.00078	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
cis-1,3-Dichloropropene	<0.0031		0.0031	0.00088	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Dibromochloromethane	<0.0038		0.0038	0.00044	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
1,1-Dichloroethane	<0.0038		0.0038	0.00079	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
1,2-Dichloroethane	<0.0038		0.0038	0.00057	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
1,1-Dichloroethene	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
1,2-Dichloropropane	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
1,3-Dichloropropene, Total	<0.0031		0.0031	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Ethylbenzene	<0.0038		0.0038	0.00095	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Methylene Chloride	<0.0038		0.0038	0.0029	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
4-Methyl-2-pentanone (MIBK)	<0.0038		0.0038	0.00079	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Methyl tert-butyl ether	<0.0038		0.0038	0.00091	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Styrene	<0.0038		0.0038	0.00090	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
1,1,2,2-Tetrachloroethane	<0.0038		0.0038	0.00061	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Tetrachloroethene	<0.0038		0.0038	0.00080	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Toluene	<0.0038		0.0038	0.0013	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
trans-1,2-Dichloroethene	<0.0038		0.0038	0.00096	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
trans-1,3-Dichloropropene	<0.0031		0.0031	0.0011	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
1,1,1-Trichloroethane	<0.0038		0.0038	0.00089	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
1,1,2-Trichloroethane	<0.0038		0.0038	0.00074	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Trichloroethene	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Vinyl acetate	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Vinyl chloride	<0.0038		0.0038	0.00092	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1
Xylenes, Total	<0.0077		0.0077	0.0014	mg/Kg	☼	08/17/16 18:05	08/18/16 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 120*	*08/17/16 18:05*	*08/18/16 18:54*	*1*
Dibromofluoromethane	*110*		*75 - 120*	*08/17/16 18:05*	*08/18/16 18:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*69 - 134*	*08/17/16 18:05*	*08/18/16 18:54*	*1*
Toluene-d8 (Surr)	*119*		*75 - 123*	*08/17/16 18:05*	*08/18/16 18:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Anthracene	**0.013**	**J**	0.036	0.0060	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Benzo[a]anthracene	**0.072**		0.036	0.0048	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B04 (0-5)
Date Collected: 08/17/16 08:50
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-11
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.20**		0.036	0.0070	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Benzo[b]fluoranthene	**0.20**		0.036	0.0078	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Benzo[g,h,i]perylene	**0.34**		0.036	0.012	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Benzo[k]fluoranthene	**0.059**		0.036	0.011	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Carbazole	<0.18		0.18	0.090	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Chrysene	**0.12**		0.036	0.0098	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0069	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
4,6-Dinitro-2-methylphenol	<0.72		0.72	0.29	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2,4-Dinitrophenol	<0.72		0.72	0.63	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Fluoranthene	**0.096**		0.036	0.0067	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Hexachlorobenzene	<0.072		0.072	0.0083	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Hexachlorocyclopentadiene	<0.72		0.72	0.21	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Indeno[1,2,3-cd]pyrene	**0.29**		0.036	0.0093	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2-Methylnaphthalene	<0.072		0.072	0.0066	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1

Client Sample ID: 2282V-8-B04 (0-5)
Date Collected: 08/17/16 08:50
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-11
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
N-Nitrosodi-n-propylamine	<0.072		0.072	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Pentachlorophenol	<0.72		0.72	0.58	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Phenanthrene	**0.062**		0.036	0.0050	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
Pyrene	**0.27**		0.036	0.0071	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	08/23/16 07:35	08/24/16 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*42 - 115*	*08/23/16 07:35*	*08/24/16 23:00*	*1*
2-Fluorophenol	*82*		*40 - 130*	*08/23/16 07:35*	*08/24/16 23:00*	*1*
Nitrobenzene-d5	*69*		*33 - 124*	*08/23/16 07:35*	*08/24/16 23:00*	*1*
Phenol-d5	*68*		*36 - 123*	*08/23/16 07:35*	*08/24/16 23:00*	*1*
Terphenyl-d14	*163*	*X*	*25 - 150*	*08/23/16 07:35*	*08/24/16 23:00*	*1*
2,4,6-Tribromophenol	*57*		*25 - 130*	*08/23/16 07:35*	*08/24/16 23:00*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.21	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Arsenic	**3.2**		0.52	0.24	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Barium	**21**		0.52	0.094	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Beryllium	**0.22**		0.21	0.045	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Cadmium	**0.16**		0.10	0.030	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Chromium	**5.9**		0.52	0.089	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Cobalt	**3.0**		0.26	0.058	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Copper	**6.5**		0.52	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Iron	**6200**	**B**	10	4.0	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Lead	**11**		0.26	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Magnesium	**51000**	**B**	5.2	2.1	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Calcium	**120000**	**B**	100	33	mg/Kg	☼	08/19/16 14:37	08/23/16 12:58	10
Manganese	**230**	**B**	0.52	0.10	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Nickel	**7.8**		0.52	0.14	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Selenium	<0.52		0.52	0.26	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Thallium	<0.52		0.52	0.25	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Vanadium	**11**		0.26	0.075	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Zinc	**30**		1.0	0.33	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Potassium	**440**		26	4.2	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1
Sodium	**480**		52	6.8	mg/Kg	☼	08/19/16 14:37	08/22/16 21:59	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/16 15:15	08/25/16 13:36	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		08/24/16 15:15	08/25/16 13:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 13:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 13:36	1

Client Sample ID: 2282V-8-B04 (0-5)
Date Collected: 08/17/16 08:50
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-11
Matrix: Solid
Percent Solids: 90.7

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**340**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 13:36	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:36	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:36	1
Copper	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:36	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 13:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 13:36	1
Magnesium	**110**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:36	1
Manganese	**1.3**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:36	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:36	1
Potassium	**4.5**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:36	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 13:36	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:36	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:36	1
Zinc	**0.055**	**J**	0.50	0.020	mg/L		08/24/16 15:15	08/25/16 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.50**		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 02:23	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 12:11	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 12:11	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**		0.016	0.0083	mg/Kg	☼	08/21/16 15:00	08/22/16 13:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.18	mg/Kg	☼	08/24/16 12:15	08/24/16 17:53	1
pH	**8.9**		0.2	0.2	SU			08/24/16 16:05	1

Client Sample ID: 2282V-8-B04 (5-10)
Date Collected: 08/17/16 09:00
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-12
Matrix: Solid
Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0031	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Benzene	<0.0040		0.0040	0.00089	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Bromodichloromethane	<0.0040		0.0040	0.00068	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Bromoform	<0.0040		0.0040	0.00082	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
2-Butanone (MEK)	<0.0040		0.0040	0.0014	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Carbon disulfide	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Carbon tetrachloride	<0.0040		0.0040	0.00086	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Chlorobenzene	<0.0040		0.0040	0.00095	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Chloroethane	<0.0040		0.0040	0.0017	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Chloroform	<0.0040		0.0040	0.00078	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Chloromethane	<0.0040		0.0040	0.00096	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
cis-1,2-Dichloroethene	<0.0040		0.0040	0.00082	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
cis-1,3-Dichloropropene	<0.0032		0.0032	0.00091	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Dibromochloromethane	<0.0040		0.0040	0.00046	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
1,1-Dichloroethane	<0.0040		0.0040	0.00083	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
1,2-Dichloroethane	<0.0040		0.0040	0.00059	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
1,1-Dichloroethene	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
1,2-Dichloropropane	<0.0040		0.0040	0.0010	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
1,3-Dichloropropene, Total	<0.0032		0.0032	0.0011	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Ethylbenzene	<0.0040		0.0040	0.00099	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Methylene Chloride	<0.0040		0.0040	0.0030	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.00083	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Methyl tert-butyl ether	<0.0040		0.0040	0.00095	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Styrene	<0.0040		0.0040	0.00094	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
1,1,2,2-Tetrachloroethane	<0.0040		0.0040	0.00064	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Tetrachloroethene	<0.0040		0.0040	0.00083	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Toluene	<0.0040		0.0040	0.0014	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
trans-1,2-Dichloroethene	<0.0040		0.0040	0.0010	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
trans-1,3-Dichloropropene	<0.0032		0.0032	0.0011	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
1,1,1-Trichloroethane	<0.0040		0.0040	0.00093	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
1,1,2-Trichloroethane	<0.0040		0.0040	0.00078	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Trichloroethene	<0.0040		0.0040	0.0011	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Vinyl acetate	<0.0040		0.0040	0.0011	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Vinyl chloride	<0.0040		0.0040	0.00095	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1
Xylenes, Total	<0.0080		0.0080	0.0015	mg/Kg	☼	08/17/16 18:05	08/19/16 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 120*	*08/17/16 18:05*	*08/19/16 11:58*	*1*
Dibromofluoromethane	*106*		*75 - 120*	*08/17/16 18:05*	*08/19/16 11:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*69 - 134*	*08/17/16 18:05*	*08/19/16 11:58*	*1*
Toluene-d8 (Surr)	*116*		*75 - 123*	*08/17/16 18:05*	*08/19/16 11:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1

Client Sample ID: 2282V-8-B04 (5-10)
Date Collected: 08/17/16 09:00
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-12
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
Benzo[a]pyrene	**0.019**	**J**	0.037	0.0072	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Benzo[b]fluoranthene	**0.026**	**J**	0.037	0.0080	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Carbazole	<0.19		0.19	0.092	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0096	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1

Client Sample ID: 2282V-8-B04 (5-10)
Date Collected: 08/17/16 09:00
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-12
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
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/23/16 07:35	08/24/16 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*42 - 115*	*08/23/16 07:35*	*08/24/16 01:24*	*1*
2-Fluorophenol	*71*		*40 - 130*	*08/23/16 07:35*	*08/24/16 01:24*	*1*
Nitrobenzene-d5	*58*		*33 - 124*	*08/23/16 07:35*	*08/24/16 01:24*	*1*
Phenol-d5	*66*		*36 - 123*	*08/23/16 07:35*	*08/24/16 01:24*	*1*
Terphenyl-d14	*86*		*25 - 150*	*08/23/16 07:35*	*08/24/16 01:24*	*1*
2,4,6-Tribromophenol	*22*	*X*	*25 - 130*	*08/23/16 07:35*	*08/24/16 01:24*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Arsenic	**3.3**		0.54	0.25	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Barium	**36**		0.54	0.098	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Beryllium	**0.24**		0.22	0.047	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Cadmium	**0.12**		0.11	0.031	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Chromium	**6.0**		0.54	0.093	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Cobalt	**4.1**		0.27	0.061	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Copper	**7.1**		0.54	0.12	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Iron	**7800**	**B**	11	4.1	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Lead	**5.3**		0.27	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Magnesium	**2000**	**B**	5.4	2.2	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Calcium	**3100**	**B**	11	3.5	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Manganese	**230**	**B**	0.54	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Nickel	**11**		0.54	0.15	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Thallium	<0.54		0.54	0.26	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Vanadium	**13**		0.27	0.079	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Zinc	**24**		1.1	0.34	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Potassium	**460**		27	4.4	mg/Kg	☼	08/19/16 14:37	08/22/16 22:17	1
Sodium	**190**		54	7.1	mg/Kg	☼	08/19/16 14:37	08/22/16 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		08/24/16 15:15	08/25/16 13:43	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		08/24/16 15:15	08/25/16 13:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 13:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 13:43	1

Client Sample ID: 2282V-8-B04 (5-10)
Date Collected: 08/17/16 09:00
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-12
Matrix: Solid
Percent Solids: 88.7

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**95**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 13:43	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:43	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:43	1
Copper	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:43	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 13:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 13:43	1
Magnesium	**36**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:43	1
Manganese	**0.34**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:43	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:43	1
Potassium	**2.3**	**J**	2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:43	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 13:43	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:43	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:43	1
Zinc	**0.020**	**J**	0.50	0.020	mg/L		08/24/16 15:15	08/25/16 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.86**		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 02:29	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 12:15	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 12:15	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 10:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0092	mg/Kg	☼	08/21/16 15:00	08/22/16 13:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	08/24/16 12:15	08/24/16 17:54	1
pH	**8.3**		0.2	0.2	SU			08/24/16 16:07	1

Client Sample ID: 2282V-8-B04 (5-10) Dup

Date Collected: 08/17/16 09:10
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-13

Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0034	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Benzene	<0.0044		0.0044	0.00097	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Bromodichloromethane	<0.0044		0.0044	0.00074	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Bromoform	<0.0044		0.0044	0.00089	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
2-Butanone (MEK)	<0.0044		0.0044	0.0016	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Carbon disulfide	<0.0044		0.0044	0.0016	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Carbon tetrachloride	<0.0044		0.0044	0.00094	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Chlorobenzene	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Chloroethane	<0.0044		0.0044	0.0018	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Chloroform	<0.0044		0.0044	0.00085	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Chloromethane	<0.0044		0.0044	0.0011	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
cis-1,2-Dichloroethene	<0.0044		0.0044	0.00089	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
cis-1,3-Dichloropropene	<0.0035		0.0035	0.0010	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Dibromochloromethane	<0.0044		0.0044	0.00050	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
1,1-Dichloroethane	<0.0044		0.0044	0.00090	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
1,2-Dichloroethane	<0.0044		0.0044	0.00065	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
1,1-Dichloroethene	<0.0044		0.0044	0.0016	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
1,2-Dichloropropane	<0.0044		0.0044	0.0011	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
1,3-Dichloropropene, Total	<0.0035		0.0035	0.0012	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Ethylbenzene	<0.0044		0.0044	0.0011	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Methylene Chloride	<0.0044		0.0044	0.0033	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.00090	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Methyl tert-butyl ether	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Styrene	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
1,1,2,2-Tetrachloroethane	<0.0044		0.0044	0.00070	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Tetrachloroethene	<0.0044		0.0044	0.00091	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Toluene	<0.0044		0.0044	0.0015	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
trans-1,2-Dichloroethene	<0.0044		0.0044	0.0011	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
trans-1,3-Dichloropropene	<0.0035		0.0035	0.0012	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
1,1,1-Trichloroethane	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
1,1,2-Trichloroethane	<0.0044		0.0044	0.00085	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Trichloroethene	<0.0044		0.0044	0.0012	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Vinyl acetate	<0.0044		0.0044	0.0012	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Vinyl chloride	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1
Xylenes, Total	<0.0088		0.0088	0.0016	mg/Kg	☼	08/17/16 18:05	08/19/16 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*08/17/16 18:05*	*08/19/16 11:07*	*1*
Dibromofluoromethane	*108*		*75 - 120*	*08/17/16 18:05*	*08/19/16 11:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*69 - 134*	*08/17/16 18:05*	*08/19/16 11:07*	*1*
Toluene-d8 (Surr)	*118*		*75 - 123*	*08/17/16 18:05*	*08/19/16 11:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B04 (5-10) Dup
Date Collected: 08/17/16 09:10
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-13
Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2-Methylnaphthalene	<0.081		0.081	0.0073	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1

Client Sample ID: 2282V-8-B04 (5-10) Dup
Date Collected: 08/17/16 09:10
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-13
Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	08/23/16 07:35	08/23/16 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*42 - 115*	*08/23/16 07:35*	*08/23/16 22:50*	*1*
2-Fluorophenol	*66*		*40 - 130*	*08/23/16 07:35*	*08/23/16 22:50*	*1*
Nitrobenzene-d5	*57*		*33 - 124*	*08/23/16 07:35*	*08/23/16 22:50*	*1*
Phenol-d5	*59*		*36 - 123*	*08/23/16 07:35*	*08/23/16 22:50*	*1*
Terphenyl-d14	*67*		*25 - 150*	*08/23/16 07:35*	*08/23/16 22:50*	*1*
2,4,6-Tribromophenol	*43*		*25 - 130*	*08/23/16 07:35*	*08/23/16 22:50*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Arsenic	**3.3**		0.60	0.28	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Barium	**37**		0.60	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Beryllium	**0.20**	**J**	0.24	0.052	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Cadmium	**0.15**		0.12	0.035	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Chromium	**6.2**		0.60	0.10	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Cobalt	**5.0**		0.30	0.068	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Copper	**6.5**		0.60	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Iron	**7700**	**B**	12	4.6	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Lead	**4.4**		0.30	0.15	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Magnesium	**1700**	**B**	6.0	2.4	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Calcium	**2000**	**B**	12	3.9	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Manganese	**290**	**B**	0.60	0.12	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Nickel	**11**		0.60	0.16	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Vanadium	**14**		0.30	0.088	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Zinc	**22**		1.2	0.38	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Potassium	**480**		30	4.9	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1
Sodium	**120**		60	8.0	mg/Kg	☼	08/19/16 14:37	08/22/16 22:21	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/16 15:15	08/25/16 13:49	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		08/24/16 15:15	08/25/16 13:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 13:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 13:49	1

Client Sample ID: 2282V-8-B04 (5-10) Dup
Date Collected: 08/17/16 09:10
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-13
Matrix: Solid
Percent Solids: 81.9

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**51**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 13:49	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:49	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:49	1
Copper	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:49	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 13:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 13:49	1
Magnesium	**21**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:49	1
Manganese	**0.078**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:49	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:49	1
Potassium	**1.8**	**J**	2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:49	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 13:49	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:49	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:49	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/16 15:15	08/25/16 13:49	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 12:18	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 12:18	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 10:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.020		0.020	0.011	mg/Kg	☼	08/21/16 15:00	08/22/16 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	08/24/16 12:15	08/24/16 17:54	1
pH	**8.1**		0.2	0.2	SU			08/24/16 16:09	1

Client Sample ID: 2282V-8-B04 (10-13)
Date Collected: 08/17/16 09:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-14
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0030	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Benzene	<0.0038		0.0038	0.00085	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Bromodichloromethane	<0.0038		0.0038	0.00065	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Bromoform	<0.0038		0.0038	0.00078	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
2-Butanone (MEK)	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Carbon disulfide	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Carbon tetrachloride	<0.0038		0.0038	0.00082	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Chlorobenzene	<0.0038		0.0038	0.00090	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Chloroethane	<0.0038		0.0038	0.0016	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Chloroform	<0.0038		0.0038	0.00075	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Chloromethane	<0.0038		0.0038	0.00092	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
cis-1,2-Dichloroethene	<0.0038		0.0038	0.00078	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
cis-1,3-Dichloropropene	<0.0031		0.0031	0.00087	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Dibromochloromethane	<0.0038		0.0038	0.00044	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
1,1-Dichloroethane	<0.0038		0.0038	0.00079	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
1,2-Dichloroethane	<0.0038		0.0038	0.00057	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
1,1-Dichloroethene	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
1,2-Dichloropropane	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
1,3-Dichloropropene, Total	<0.0031		0.0031	0.0011	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Ethylbenzene	<0.0038		0.0038	0.00095	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Methylene Chloride	<0.0038		0.0038	0.0029	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
4-Methyl-2-pentanone (MIBK)	<0.0038		0.0038	0.00079	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Methyl tert-butyl ether	<0.0038		0.0038	0.00090	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Styrene	<0.0038		0.0038	0.00090	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
1,1,2,2-Tetrachloroethane	<0.0038		0.0038	0.00061	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Tetrachloroethene	<0.0038		0.0038	0.00080	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Toluene	<0.0038		0.0038	0.0013	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
trans-1,2-Dichloroethene	<0.0038		0.0038	0.00096	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
trans-1,3-Dichloropropene	<0.0031		0.0031	0.0011	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
1,1,1-Trichloroethane	<0.0038		0.0038	0.00089	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
1,1,2-Trichloroethane	<0.0038		0.0038	0.00074	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Trichloroethene	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Vinyl acetate	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Vinyl chloride	<0.0038		0.0038	0.00091	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1
Xylenes, Total	<0.0077		0.0077	0.0014	mg/Kg	☼	08/17/16 18:05	08/19/16 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 120*	*08/17/16 18:05*	*08/19/16 20:02*	*1*
Dibromofluoromethane	*112*		*75 - 120*	*08/17/16 18:05*	*08/19/16 20:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*69 - 134*	*08/17/16 18:05*	*08/19/16 20:02*	*1*
Toluene-d8 (Surr)	*118*		*75 - 123*	*08/17/16 18:05*	*08/19/16 20:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.034		0.034	0.0061	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Acenaphthylene	<0.034		0.034	0.0045	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Anthracene	<0.034		0.034	0.0057	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Benzo[a]anthracene	<0.034		0.034	0.0046	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B04 (10-13)
Date Collected: 08/17/16 09:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-14
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.034		0.034	0.0066	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Benzo[b]fluoranthene	<0.034		0.034	0.0073	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Benzo[g,h,i]perylene	<0.034		0.034	0.011	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.051	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.062	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.045	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Butyl benzyl phthalate	<0.17		0.17	0.065	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Carbazole	<0.17		0.17	0.085	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
4-Chloroaniline	<0.69		0.69	0.16	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2-Chlorophenol	<0.17		0.17	0.058	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Chrysene	<0.034		0.034	0.0093	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0066	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Dibenzofuran	<0.17		0.17	0.040	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
1,3-Dichlorobenzene	<0.17		0.17	0.038	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.048	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2,4-Dichlorophenol	<0.34		0.34	0.081	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Diethyl phthalate	<0.17		0.17	0.058	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Dimethyl phthalate	<0.17		0.17	0.044	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Di-n-butyl phthalate	<0.17		0.17	0.052	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
4,6-Dinitro-2-methylphenol	<0.69		0.69	0.27	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2,4-Dinitrophenol	<0.69		0.69	0.60	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2,4-Dinitrotoluene	<0.17		0.17	0.054	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2,6-Dinitrotoluene	<0.17		0.17	0.067	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Di-n-octyl phthalate	<0.17		0.17	0.055	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Fluoranthene	<0.034		0.034	0.0063	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Fluorene	<0.034		0.034	0.0048	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Hexachlorobenzene	<0.069		0.069	0.0079	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Hexachlorobutadiene	<0.17		0.17	0.053	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Hexachlorocyclopentadiene	<0.69		0.69	0.20	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Hexachloroethane	<0.17		0.17	0.052	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0088	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Isophorone	<0.17		0.17	0.038	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2-Methylnaphthalene	<0.069		0.069	0.0062	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2-Methylphenol	<0.17		0.17	0.054	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
3 & 4 Methylphenol	<0.17		0.17	0.057	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Naphthalene	<0.034		0.034	0.0052	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2-Nitroaniline	<0.17		0.17	0.046	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Nitrobenzene	<0.034		0.034	0.0085	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2-Nitrophenol	<0.34		0.34	0.080	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1

Client Sample ID: 2282V-8-B04 (10-13)
Date Collected: 08/17/16 09:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-14
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.69		0.69	0.32	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
N-Nitrosodi-n-propylamine	<0.069		0.069	0.042	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
N-Nitrosodiphenylamine	<0.17		0.17	0.040	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.039	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Pentachlorophenol	<0.69		0.69	0.54	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Phenanthrene	<0.034		0.034	0.0047	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Phenol	<0.17		0.17	0.075	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
Pyrene	<0.034		0.034	0.0067	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2,4,5-Trichlorophenol	<0.34		0.34	0.078	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	☼	08/23/16 07:35	08/24/16 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*42 - 115*	*08/23/16 07:35*	*08/24/16 13:09*	*1*
2-Fluorophenol	*83*		*40 - 130*	*08/23/16 07:35*	*08/24/16 13:09*	*1*
Nitrobenzene-d5	*73*		*33 - 124*	*08/23/16 07:35*	*08/24/16 13:09*	*1*
Phenol-d5	*58*		*36 - 123*	*08/23/16 07:35*	*08/24/16 13:09*	*1*
Terphenyl-d14	*76*		*25 - 150*	*08/23/16 07:35*	*08/24/16 13:09*	*1*
2,4,6-Tribromophenol	*61*		*25 - 130*	*08/23/16 07:35*	*08/24/16 13:09*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.27**	**J**	1.0	0.21	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Arsenic	**12**		0.52	0.24	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Barium	**21**		0.52	0.095	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Beryllium	**0.21**		0.21	0.045	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Cadmium	**0.16**		0.10	0.030	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Chromium	**6.3**		0.52	0.089	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Cobalt	**4.5**		0.26	0.058	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Copper	**15**		0.52	0.11	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Iron	**13000**	**B**	10	4.0	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Lead	**13**		0.26	0.13	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Magnesium	**36000**	**B**	5.2	2.1	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Calcium	**98000**	**B**	100	33	mg/Kg	☼	08/19/16 14:37	08/23/16 13:02	10
Manganese	**330**	**B**	0.52	0.10	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Nickel	**12**		0.52	0.14	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Selenium	**0.27**	**J**	0.52	0.26	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Thallium	<0.52		0.52	0.25	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Vanadium	**14**		0.26	0.075	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Zinc	**38**		1.0	0.33	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Potassium	**600**		26	4.2	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1
Sodium	**170**		52	6.8	mg/Kg	☼	08/19/16 14:37	08/22/16 22:25	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Barium	**0.24**	**J**	0.50	0.050	mg/L		08/24/16 15:15	08/25/16 13:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 13:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 13:56	1

Client Sample ID: 2282V-8-B04 (10-13)
Date Collected: 08/17/16 09:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-14
Matrix: Solid
Percent Solids: 93.1

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**280**		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 13:56	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Copper	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 13:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 13:56	1
Magnesium	**150**		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:56	1
Manganese	**0.94**		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Potassium	**2.5**	**F1**	2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:56	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 13:56	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:56	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/16 15:15	08/25/16 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.015**	**J**	0.025	0.010	mg/L		08/23/16 14:05	08/25/16 02:43	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 12:22	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 12:22	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 10:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.011**	**J**	0.016	0.0083	mg/Kg	☼	08/21/16 15:00	08/22/16 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.51		0.51	0.17	mg/Kg	☼	08/24/16 12:15	08/24/16 17:55	1
pH	**8.7**		0.2	0.2	SU			08/24/16 16:11	1

Qualifiers

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.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
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)

GC/MS VOA

Prep Batch: 348216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	5035	
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	5035	
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	5035	
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	5035	
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	5035	
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	5035	
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	5035	
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	5035	
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	5035	
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	5035	
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	5035	
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	5035	
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	5035	
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	5035	

Analysis Batch: 348225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	8260B	348216
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	8260B	348216
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	8260B	348216
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	8260B	348216
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	8260B	348216
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	8260B	348216
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	8260B	348216
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	8260B	348216
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	8260B	348216
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	8260B	348216
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	8260B	348216
MB 500-348225/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-348225/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 500-348225/6	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 348444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	8260B	348216
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	8260B	348216
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	8260B	348216
MB 500-348444/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-348444/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 500-348444/6	Lab Control Sample Dup	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 348843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	3541	
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	3541	
500-115838-2 - DL	2282V-8-B01 (0-5) Dup	Total/NA	Solid	3541	
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	3541	
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 348843 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	3541	
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	3541	
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	3541	
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	3541	
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	3541	
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	3541	
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	3541	
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	3541	
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	3541	
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	3541	
MB 500-348843/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-348843/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-115838-F-1-H MS	500-115838-F-1-H MS	Total/NA	Solid	3541	
500-115838-F-1-I MSD	500-115838-F-1-I MSD	Total/NA	Solid	3541	

Analysis Batch: 348954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	8270D	348843
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	8270D	348843
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	8270D	348843
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	8270D	348843
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	8270D	348843
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	8270D	348843
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	8270D	348843
MB 500-348843/1-A	Method Blank	Total/NA	Solid	8270D	348843
LCS 500-348843/2-A	Lab Control Sample	Total/NA	Solid	8270D	348843

Analysis Batch: 349052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-2 - DL	2282V-8-B01 (0-5) Dup	Total/NA	Solid	8270D	348843
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	8270D	348843
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	8270D	348843
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	8270D	348843
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	8270D	348843
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	8270D	348843
500-115838-F-1-H MS	500-115838-F-1-H MS	Total/NA	Solid	8270D	348843
500-115838-F-1-I MSD	500-115838-F-1-I MSD	Total/NA	Solid	8270D	348843

Analysis Batch: 350350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	8270D	348843
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	8270D	348843

Metals

Prep Batch: 348538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	3050B	
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	3050B	
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 348538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	3050B	
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	3050B	
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	3050B	
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	3050B	
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	3050B	
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	3050B	
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	3050B	
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	3050B	
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	3050B	
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	3050B	
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	3050B	
MB 500-348538/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-348538/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-115838-1 MS	2282V-8-B01 (0-5)	Total/NA	Solid	3050B	
500-115838-1 MSD	2282V-8-B01 (0-5)	Total/NA	Solid	3050B	
500-115838-1 DU	2282V-8-B01 (0-5)	Total/NA	Solid	3050B	

Prep Batch: 348632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	7471B	
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	7471B	
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	7471B	
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	7471B	
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	7471B	
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	7471B	
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	7471B	
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	7471B	
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	7471B	
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	7471B	
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	7471B	
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	7471B	
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	7471B	
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	7471B	
MB 500-348632/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-348632/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Leach Batch: 348751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	SPLP East	Solid	1312	
500-115838-2	2282V-8-B01 (0-5) Dup	SPLP East	Solid	1312	
500-115838-3	2282V-8-B01 (5-10)	SPLP East	Solid	1312	
500-115838-4	2282V-8-B01 (10-13)	SPLP East	Solid	1312	
500-115838-5	2282V-8-B02 (0-5)	SPLP East	Solid	1312	
500-115838-6	2282V-8-B02 (5-10)	SPLP East	Solid	1312	
500-115838-7	2282V-8-B02 (10-13)	SPLP East	Solid	1312	
500-115838-8	2282V-8-B03 (0-5)	SPLP East	Solid	1312	
500-115838-10	2282V-8-B03 (10-13)	SPLP East	Solid	1312	
500-115838-11	2282V-8-B04 (0-5)	SPLP East	Solid	1312	
500-115838-12	2282V-8-B04 (5-10)	SPLP East	Solid	1312	
500-115838-14	2282V-8-B04 (10-13)	SPLP East	Solid	1312	
LB 500-348751/1-B	Method Blank	SPLP East	Solid	1312	

Metals (Continued)

Leach Batch: 348751 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-14 MS	2282V-8-B04 (10-13)	SPLP East	Solid	1312	
500-115838-14 DU	2282V-8-B04 (10-13)	SPLP East	Solid	1312	

Analysis Batch: 348753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	7471B	348632
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	7471B	348632
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	7471B	348632
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	7471B	348632
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	7471B	348632
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	7471B	348632
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	7471B	348632
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	7471B	348632
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	7471B	348632
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	7471B	348632
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	7471B	348632
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	7471B	348632
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	7471B	348632
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	7471B	348632
MB 500-348632/12-A	Method Blank	Total/NA	Solid	7471B	348632
LCS 500-348632/13-A	Lab Control Sample	Total/NA	Solid	7471B	348632

Analysis Batch: 348815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	6010B	348538
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	6010B	348538
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	6010B	348538
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	6010B	348538
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	6010B	348538
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	6010B	348538
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	6010B	348538
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	6010B	348538
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	6010B	348538
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	6010B	348538
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	6010B	348538
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	6010B	348538
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	6010B	348538
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	6010B	348538
MB 500-348538/1-A	Method Blank	Total/NA	Solid	6010B	348538
LCS 500-348538/2-A	Lab Control Sample	Total/NA	Solid	6010B	348538
500-115838-1 MS	2282V-8-B01 (0-5)	Total/NA	Solid	6010B	348538
500-115838-1 MSD	2282V-8-B01 (0-5)	Total/NA	Solid	6010B	348538
500-115838-1 DU	2282V-8-B01 (0-5)	Total/NA	Solid	6010B	348538

Leach Batch: 348899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	TCLP	Solid	1311	
500-115838-2	2282V-8-B01 (0-5) Dup	TCLP	Solid	1311	
500-115838-3	2282V-8-B01 (5-10)	TCLP	Solid	1311	
500-115838-4	2282V-8-B01 (10-13)	TCLP	Solid	1311	
500-115838-5	2282V-8-B02 (0-5)	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 348899 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-6	2282V-8-B02 (5-10)	TCLP	Solid	1311	
500-115838-7	2282V-8-B02 (10-13)	TCLP	Solid	1311	
500-115838-8	2282V-8-B03 (0-5)	TCLP	Solid	1311	
500-115838-9	2282V-8-B03 (5-10)	TCLP	Solid	1311	
500-115838-10	2282V-8-B03 (10-13)	TCLP	Solid	1311	
500-115838-11	2282V-8-B04 (0-5)	TCLP	Solid	1311	
500-115838-12	2282V-8-B04 (5-10)	TCLP	Solid	1311	
500-115838-13	2282V-8-B04 (5-10) Dup	TCLP	Solid	1311	
500-115838-14	2282V-8-B04 (10-13)	TCLP	Solid	1311	
LB 500-348899/1-B	Method Blank	TCLP	Solid	1311	
LB 500-348899/1-C	Method Blank	TCLP	Solid	1311	
500-115838-1 MS	2282V-8-B01 (0-5)	TCLP	Solid	1311	
500-115838-14 MS	2282V-8-B04 (10-13)	TCLP	Solid	1311	
500-115838-1 DU	2282V-8-B01 (0-5)	TCLP	Solid	1311	
500-115838-14 DU	2282V-8-B04 (10-13)	TCLP	Solid	1311	

Prep Batch: 348918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	SPLP East	Solid	3010A	348751
500-115838-2	2282V-8-B01 (0-5) Dup	SPLP East	Solid	3010A	348751
500-115838-3	2282V-8-B01 (5-10)	SPLP East	Solid	3010A	348751
500-115838-4	2282V-8-B01 (10-13)	SPLP East	Solid	3010A	348751
500-115838-5	2282V-8-B02 (0-5)	SPLP East	Solid	3010A	348751
500-115838-6	2282V-8-B02 (5-10)	SPLP East	Solid	3010A	348751
500-115838-7	2282V-8-B02 (10-13)	SPLP East	Solid	3010A	348751
500-115838-8	2282V-8-B03 (0-5)	SPLP East	Solid	3010A	348751
500-115838-10	2282V-8-B03 (10-13)	SPLP East	Solid	3010A	348751
500-115838-11	2282V-8-B04 (0-5)	SPLP East	Solid	3010A	348751
500-115838-12	2282V-8-B04 (5-10)	SPLP East	Solid	3010A	348751
500-115838-14	2282V-8-B04 (10-13)	SPLP East	Solid	3010A	348751
LB 500-348751/1-B	Method Blank	SPLP East	Solid	3010A	348751
LCS 500-348918/2-A	Lab Control Sample	Total/NA	Solid	3010A	
500-115838-14 MS	2282V-8-B04 (10-13)	SPLP East	Solid	3010A	348751
500-115838-14 DU	2282V-8-B04 (10-13)	SPLP East	Solid	3010A	348751

Analysis Batch: 349005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	6010B	348538
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	6010B	348538
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	6010B	348538
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	6010B	348538
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	6010B	348538
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	6010B	348538

Prep Batch: 349072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	TCLP	Solid	7470A	348899
500-115838-2	2282V-8-B01 (0-5) Dup	TCLP	Solid	7470A	348899
500-115838-3	2282V-8-B01 (5-10)	TCLP	Solid	7470A	348899
500-115838-4	2282V-8-B01 (10-13)	TCLP	Solid	7470A	348899
500-115838-5	2282V-8-B02 (0-5)	TCLP	Solid	7470A	348899

Metals (Continued)

Prep Batch: 349072 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-6	2282V-8-B02 (5-10)	TCLP	Solid	7470A	348899
500-115838-7	2282V-8-B02 (10-13)	TCLP	Solid	7470A	348899
500-115838-8	2282V-8-B03 (0-5)	TCLP	Solid	7470A	348899
500-115838-9	2282V-8-B03 (5-10)	TCLP	Solid	7470A	348899
500-115838-10	2282V-8-B03 (10-13)	TCLP	Solid	7470A	348899
500-115838-11	2282V-8-B04 (0-5)	TCLP	Solid	7470A	348899
500-115838-12	2282V-8-B04 (5-10)	TCLP	Solid	7470A	348899
500-115838-13	2282V-8-B04 (5-10) Dup	TCLP	Solid	7470A	348899
500-115838-14	2282V-8-B04 (10-13)	TCLP	Solid	7470A	348899
LB 500-348899/1-B	Method Blank	TCLP	Solid	7470A	348899
MB 500-349072/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-349072/13-A	Lab Control Sample	Total/NA	Solid	7470A	
500-115838-1 MS	2282V-8-B01 (0-5)	TCLP	Solid	7470A	348899
500-115838-1 DU	2282V-8-B01 (0-5)	TCLP	Solid	7470A	348899

Prep Batch: 349090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	TCLP	Solid	3010A	348899
500-115838-2	2282V-8-B01 (0-5) Dup	TCLP	Solid	3010A	348899
500-115838-3	2282V-8-B01 (5-10)	TCLP	Solid	3010A	348899
500-115838-4	2282V-8-B01 (10-13)	TCLP	Solid	3010A	348899
500-115838-5	2282V-8-B02 (0-5)	TCLP	Solid	3010A	348899
500-115838-6	2282V-8-B02 (5-10)	TCLP	Solid	3010A	348899
500-115838-7	2282V-8-B02 (10-13)	TCLP	Solid	3010A	348899
500-115838-8	2282V-8-B03 (0-5)	TCLP	Solid	3010A	348899
500-115838-9	2282V-8-B03 (5-10)	TCLP	Solid	3010A	348899
500-115838-10	2282V-8-B03 (10-13)	TCLP	Solid	3010A	348899
500-115838-11	2282V-8-B04 (0-5)	TCLP	Solid	3010A	348899
500-115838-12	2282V-8-B04 (5-10)	TCLP	Solid	3010A	348899
500-115838-13	2282V-8-B04 (5-10) Dup	TCLP	Solid	3010A	348899
500-115838-14	2282V-8-B04 (10-13)	TCLP	Solid	3010A	348899
LB 500-348899/1-C	Method Blank	TCLP	Solid	3010A	348899
LCS 500-349090/2-A	Lab Control Sample	Total/NA	Solid	3010A	
500-115838-14 MS	2282V-8-B04 (10-13)	TCLP	Solid	3010A	348899
500-115838-14 DU	2282V-8-B04 (10-13)	TCLP	Solid	3010A	348899

Analysis Batch: 349168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	SPLP East	Solid	6010B	348918
500-115838-2	2282V-8-B01 (0-5) Dup	SPLP East	Solid	6010B	348918
500-115838-3	2282V-8-B01 (5-10)	SPLP East	Solid	6010B	348918
500-115838-4	2282V-8-B01 (10-13)	SPLP East	Solid	6010B	348918
500-115838-5	2282V-8-B02 (0-5)	SPLP East	Solid	6010B	348918
500-115838-6	2282V-8-B02 (5-10)	SPLP East	Solid	6010B	348918
500-115838-7	2282V-8-B02 (10-13)	SPLP East	Solid	6010B	348918
500-115838-8	2282V-8-B03 (0-5)	SPLP East	Solid	6010B	348918
500-115838-10	2282V-8-B03 (10-13)	SPLP East	Solid	6010B	348918
500-115838-11	2282V-8-B04 (0-5)	SPLP East	Solid	6010B	348918
500-115838-12	2282V-8-B04 (5-10)	SPLP East	Solid	6010B	348918
500-115838-14	2282V-8-B04 (10-13)	SPLP East	Solid	6010B	348918
LB 500-348751/1-B	Method Blank	SPLP East	Solid	6010B	348918

Metals (Continued)

Analysis Batch: 349168 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-348918/2-A	Lab Control Sample	Total/NA	Solid	6010B	348918
500-115838-14 MS	2282V-8-B04 (10-13)	SPLP East	Solid	6010B	348918
500-115838-14 DU	2282V-8-B04 (10-13)	SPLP East	Solid	6010B	348918

Analysis Batch: 349225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	TCLP	Solid	7470A	349072
500-115838-2	2282V-8-B01 (0-5) Dup	TCLP	Solid	7470A	349072
500-115838-3	2282V-8-B01 (5-10)	TCLP	Solid	7470A	349072
500-115838-4	2282V-8-B01 (10-13)	TCLP	Solid	7470A	349072
500-115838-5	2282V-8-B02 (0-5)	TCLP	Solid	7470A	349072
500-115838-6	2282V-8-B02 (5-10)	TCLP	Solid	7470A	349072
500-115838-7	2282V-8-B02 (10-13)	TCLP	Solid	7470A	349072
500-115838-8	2282V-8-B03 (0-5)	TCLP	Solid	7470A	349072
500-115838-9	2282V-8-B03 (5-10)	TCLP	Solid	7470A	349072
500-115838-10	2282V-8-B03 (10-13)	TCLP	Solid	7470A	349072
500-115838-11	2282V-8-B04 (0-5)	TCLP	Solid	7470A	349072
500-115838-12	2282V-8-B04 (5-10)	TCLP	Solid	7470A	349072
500-115838-13	2282V-8-B04 (5-10) Dup	TCLP	Solid	7470A	349072
500-115838-14	2282V-8-B04 (10-13)	TCLP	Solid	7470A	349072
LB 500-348899/1-B	Method Blank	TCLP	Solid	7470A	349072
MB 500-349072/12-A	Method Blank	Total/NA	Solid	7470A	349072
LCS 500-349072/13-A	Lab Control Sample	Total/NA	Solid	7470A	349072
500-115838-1 MS	2282V-8-B01 (0-5)	TCLP	Solid	7470A	349072
500-115838-1 DU	2282V-8-B01 (0-5)	TCLP	Solid	7470A	349072

Analysis Batch: 349272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	TCLP	Solid	6020A	349090
500-115838-2	2282V-8-B01 (0-5) Dup	TCLP	Solid	6020A	349090
500-115838-3	2282V-8-B01 (5-10)	TCLP	Solid	6020A	349090
500-115838-4	2282V-8-B01 (10-13)	TCLP	Solid	6020A	349090
500-115838-5	2282V-8-B02 (0-5)	TCLP	Solid	6020A	349090
500-115838-6	2282V-8-B02 (5-10)	TCLP	Solid	6020A	349090
500-115838-7	2282V-8-B02 (10-13)	TCLP	Solid	6020A	349090
500-115838-8	2282V-8-B03 (0-5)	TCLP	Solid	6020A	349090
500-115838-9	2282V-8-B03 (5-10)	TCLP	Solid	6020A	349090
500-115838-10	2282V-8-B03 (10-13)	TCLP	Solid	6020A	349090
500-115838-11	2282V-8-B04 (0-5)	TCLP	Solid	6020A	349090
500-115838-12	2282V-8-B04 (5-10)	TCLP	Solid	6020A	349090
500-115838-13	2282V-8-B04 (5-10) Dup	TCLP	Solid	6020A	349090
500-115838-14	2282V-8-B04 (10-13)	TCLP	Solid	6020A	349090
LB 500-348899/1-C	Method Blank	TCLP	Solid	6020A	349090
LCS 500-349090/2-A	Lab Control Sample	Total/NA	Solid	6020A	349090
500-115838-14 MS	2282V-8-B04 (10-13)	TCLP	Solid	6020A	349090
500-115838-14 DU	2282V-8-B04 (10-13)	TCLP	Solid	6020A	349090

Analysis Batch: 349284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-9	2282V-8-B03 (5-10)	TCLP	Solid	6010B	349090
500-115838-10	2282V-8-B03 (10-13)	TCLP	Solid	6010B	349090

Metals (Continued)

Analysis Batch: 349284 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-11	2282V-8-B04 (0-5)	TCLP	Solid	6010B	349090
500-115838-12	2282V-8-B04 (5-10)	TCLP	Solid	6010B	349090
500-115838-13	2282V-8-B04 (5-10) Dup	TCLP	Solid	6010B	349090
500-115838-14	2282V-8-B04 (10-13)	TCLP	Solid	6010B	349090
500-115838-14 MS	2282V-8-B04 (10-13)	TCLP	Solid	6010B	349090
500-115838-14 DU	2282V-8-B04 (10-13)	TCLP	Solid	6010B	349090

Analysis Batch: 349301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	TCLP	Solid	6010B	349090
500-115838-2	2282V-8-B01 (0-5) Dup	TCLP	Solid	6010B	349090
500-115838-3	2282V-8-B01 (5-10)	TCLP	Solid	6010B	349090
500-115838-4	2282V-8-B01 (10-13)	TCLP	Solid	6010B	349090
500-115838-5	2282V-8-B02 (0-5)	TCLP	Solid	6010B	349090
500-115838-6	2282V-8-B02 (5-10)	TCLP	Solid	6010B	349090
500-115838-7	2282V-8-B02 (10-13)	TCLP	Solid	6010B	349090
500-115838-8	2282V-8-B03 (0-5)	TCLP	Solid	6010B	349090
LB 500-348899/1-C	Method Blank	TCLP	Solid	6010B	349090
LCS 500-349090/2-A	Lab Control Sample	Total/NA	Solid	6010B	349090

Analysis Batch: 349429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-5	2282V-8-B02 (0-5)	SPLP East	Solid	6010B	348918
LB 500-348751/1-B	Method Blank	SPLP East	Solid	6010B	348918
LCS 500-348918/2-A	Lab Control Sample	Total/NA	Solid	6010B	348918

General Chemistry

Analysis Batch: 348335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	Moisture	
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	Moisture	
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	Moisture	
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	Moisture	
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	Moisture	
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	Moisture	
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	Moisture	
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	Moisture	
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	Moisture	
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	Moisture	
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	Moisture	
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	Moisture	
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	Moisture	
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	Moisture	
500-115838-1 DU	2282V-8-B01 (0-5)	Total/NA	Solid	Moisture	

Prep Batch: 349042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	9010B	
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	9010B	

General Chemistry (Continued)

Prep Batch: 349042 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	9010B	
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	9010B	
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	9010B	
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	9010B	
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	9010B	
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	9010B	
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	9010B	
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	9010B	
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	9010B	
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	9010B	
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	9010B	
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	9010B	
MB 500-349042/1-A	Method Blank	Total/NA	Solid	9010B	
LCS 500-349042/2-A	Lab Control Sample	Total/NA	Solid	9010B	

Analysis Batch: 349204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	9014	349042
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	9014	349042
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	9014	349042
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	9014	349042
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	9014	349042
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	9014	349042
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	9014	349042
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	9014	349042
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	9014	349042
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	9014	349042
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	9014	349042
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	9014	349042
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	9014	349042
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	9014	349042
MB 500-349042/1-A	Method Blank	Total/NA	Solid	9014	349042
LCS 500-349042/2-A	Lab Control Sample	Total/NA	Solid	9014	349042

Analysis Batch: 349221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115838-1	2282V-8-B01 (0-5)	Total/NA	Solid	9045D	
500-115838-2	2282V-8-B01 (0-5) Dup	Total/NA	Solid	9045D	
500-115838-3	2282V-8-B01 (5-10)	Total/NA	Solid	9045D	
500-115838-4	2282V-8-B01 (10-13)	Total/NA	Solid	9045D	
500-115838-5	2282V-8-B02 (0-5)	Total/NA	Solid	9045D	
500-115838-6	2282V-8-B02 (5-10)	Total/NA	Solid	9045D	
500-115838-7	2282V-8-B02 (10-13)	Total/NA	Solid	9045D	
500-115838-8	2282V-8-B03 (0-5)	Total/NA	Solid	9045D	
500-115838-9	2282V-8-B03 (5-10)	Total/NA	Solid	9045D	
500-115838-10	2282V-8-B03 (10-13)	Total/NA	Solid	9045D	
500-115838-11	2282V-8-B04 (0-5)	Total/NA	Solid	9045D	
500-115838-12	2282V-8-B04 (5-10)	Total/NA	Solid	9045D	
500-115838-13	2282V-8-B04 (5-10) Dup	Total/NA	Solid	9045D	
500-115838-14	2282V-8-B04 (10-13)	Total/NA	Solid	9045D	

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(70-120)	(75-120)	(69-134)	(75-123)
500-115838-1	2282V-8-B01 (0-5)	107	114	106	117
500-115838-2	2282V-8-B01 (0-5) Dup	105	114	107	114
500-115838-3	2282V-8-B01 (5-10)	103	111	99	117
500-115838-4	2282V-8-B01 (10-13)	103	111	101	114
500-115838-5	2282V-8-B02 (0-5)	103	112	99	116
500-115838-6	2282V-8-B02 (5-10)	107	110	97	119
500-115838-7	2282V-8-B02 (10-13)	102	108	96	115
500-115838-8	2282V-8-B03 (0-5)	105	112	104	114
500-115838-9	2282V-8-B03 (5-10)	103	109	100	117
500-115838-10	2282V-8-B03 (10-13)	106	113	97	117
500-115838-11	2282V-8-B04 (0-5)	102	110	102	119
500-115838-12	2282V-8-B04 (5-10)	103	106	96	116
500-115838-13	2282V-8-B04 (5-10) Dup	105	108	97	118
500-115838-14	2282V-8-B04 (10-13)	105	112	100	118
LCS 500-348225/5	Lab Control Sample	107	111	91	122
LCS 500-348444/5	Lab Control Sample	106	107	90	119
LCSD 500-348225/6	Lab Control Sample Dup	107	108	92	118
LCSD 500-348444/6	Lab Control Sample Dup	106	110	92	119
MB 500-348225/7	Method Blank	103	107	94	120
MB 500-348444/7	Method Blank	104	110	95	118

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(42-115)	(40-130)	(33-124)	(36-123)	(25-150)	(25-130)
500-115838-1	2282V-8-B01 (0-5)	85	109	99	94	189 X	115
500-115838-2 - DL	2282V-8-B01 (0-5) Dup	76	98	85	82	153 X	96
500-115838-2	2282V-8-B01 (0-5) Dup	93	119	110	101	220 X	124
500-115838-3	2282V-8-B01 (5-10)	81	83	74	83	100	58
500-115838-4	2282V-8-B01 (10-13)	76	74	60	73	105	27
500-115838-5	2282V-8-B02 (0-5)	78	84	70	77	193 X	43
500-115838-6	2282V-8-B02 (5-10)	85	86	77	85	204 X	56
500-115838-7	2282V-8-B02 (10-13)	70	94	82	71	149	40
500-115838-8	2282V-8-B03 (0-5)	70	92	76	80	187 X	55
500-115838-9	2282V-8-B03 (5-10)	56	62	51	57	68	21 X
500-115838-10	2282V-8-B03 (10-13)	63	85	72	76	162 X	37
500-115838-11	2282V-8-B04 (0-5)	64	82	69	68	163 X	57
500-115838-12	2282V-8-B04 (5-10)	67	71	58	66	86	22 X
500-115838-13	2282V-8-B04 (5-10) Dup	63	66	57	59	67	43
500-115838-14	2282V-8-B04 (10-13)	62	83	73	58	76	61
500-115838-F-1-H MS	500-115838-F-1-H MS	77	90	80	82	173 X	64

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	FBP (42-115)	2FP (40-130)	NBZ (33-124)	PHL (36-123)	TPH (25-150)	TBP (25-130)		
500-115838-F-1-I MSD	500-115838-F-1-I MSD	79	90	76	85	173 X	71		
LCS 500-348843/2-A	Lab Control Sample	89	89	87	91	100	69		
MB 500-348843/1-A	Method Blank	89	91	80	88	107	61		

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

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

Lab Sample ID: MB 500-348225/7
Matrix: Solid
Analysis Batch: 348225

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg			08/18/16 10:03	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg			08/18/16 10:03	1
Bromodichloromethane	<0.0050		0.0050	0.00084	mg/Kg			08/18/16 10:03	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg			08/18/16 10:03	1
Bromomethane	<0.0050		0.0050	0.0018	mg/Kg			08/18/16 10:03	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg			08/18/16 10:03	1
Carbon disulfide	<0.0050		0.0050	0.0018	mg/Kg			08/18/16 10:03	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg			08/18/16 10:03	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg			08/18/16 10:03	1
Chloroethane	<0.0050		0.0050	0.0021	mg/Kg			08/18/16 10:03	1
Chloroform	<0.0050		0.0050	0.00098	mg/Kg			08/18/16 10:03	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg			08/18/16 10:03	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg			08/18/16 10:03	1
cis-1,3-Dichloropropene	<0.0040		0.0040	0.0011	mg/Kg			08/18/16 10:03	1
Dibromochloromethane	<0.0050		0.0050	0.00058	mg/Kg			08/18/16 10:03	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg			08/18/16 10:03	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg			08/18/16 10:03	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg			08/18/16 10:03	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg			08/18/16 10:03	1
1,3-Dichloropropene, Total	<0.0040		0.0040	0.0014	mg/Kg			08/18/16 10:03	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg			08/18/16 10:03	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg			08/18/16 10:03	1
Methylene Chloride	<0.0050		0.0050	0.0038	mg/Kg			08/18/16 10:03	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0010	mg/Kg			08/18/16 10:03	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg			08/18/16 10:03	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg			08/18/16 10:03	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.00079	mg/Kg			08/18/16 10:03	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg			08/18/16 10:03	1
Toluene	<0.0050		0.0050	0.0017	mg/Kg			08/18/16 10:03	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0013	mg/Kg			08/18/16 10:03	1
trans-1,3-Dichloropropene	<0.0040		0.0040	0.0014	mg/Kg			08/18/16 10:03	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg			08/18/16 10:03	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00097	mg/Kg			08/18/16 10:03	1
Trichloroethene	<0.0050		0.0050	0.0014	mg/Kg			08/18/16 10:03	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg			08/18/16 10:03	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg			08/18/16 10:03	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg			08/18/16 10:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 120*		*08/18/16 10:03*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/18/16 10:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*69 - 134*		*08/18/16 10:03*	*1*
Toluene-d8 (Surr)	*120*		*75 - 123*		*08/18/16 10:03*	*1*

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

Lab Sample ID: LCS 500-348225/5
Matrix: Solid
Analysis Batch: 348225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0421		mg/Kg		84	40 - 148
Benzene	0.0500	0.0507		mg/Kg		101	70 - 120
Bromodichloromethane	0.0500	0.0484		mg/Kg		97	67 - 120
Bromoform	0.0500	0.0473		mg/Kg		95	50 - 129
Bromomethane	0.0500	0.0583		mg/Kg		117	50 - 134
2-Butanone (MEK)	0.0500	0.0542		mg/Kg		108	47 - 138
Carbon disulfide	0.0500	0.0446		mg/Kg		89	67 - 133
Carbon tetrachloride	0.0500	0.0476		mg/Kg		95	65 - 123
Chlorobenzene	0.0500	0.0508		mg/Kg		102	70 - 120
Chloroethane	0.0500	0.0421		mg/Kg		84	40 - 150
Chloroform	0.0500	0.0501		mg/Kg		100	70 - 120
Chloromethane	0.0500	0.0484		mg/Kg		97	63 - 135
cis-1,2-Dichloroethene	0.0500	0.0507		mg/Kg		101	70 - 120
cis-1,3-Dichloropropene	0.0500	0.0469		mg/Kg		94	70 - 120
Dibromochloromethane	0.0500	0.0480		mg/Kg		96	68 - 120
1,1-Dichloroethane	0.0500	0.0475		mg/Kg		95	70 - 125
1,2-Dichloroethane	0.0500	0.0501		mg/Kg		100	65 - 126
1,1-Dichloroethene	0.0500	0.0490		mg/Kg		98	70 - 122
1,2-Dichloropropane	0.0500	0.0475		mg/Kg		95	70 - 126
Ethylbenzene	0.0500	0.0495		mg/Kg		99	70 - 120
2-Hexanone	0.0500	0.0525		mg/Kg		105	51 - 139
Methylene Chloride	0.0500	0.0531		mg/Kg		106	70 - 121
4-Methyl-2-pentanone (MIBK)	0.0500	0.0486		mg/Kg		97	51 - 141
Methyl tert-butyl ether	0.0500	0.0514		mg/Kg		103	70 - 121
Styrene	0.0500	0.0499		mg/Kg		100	70 - 121
1,1,2,2-Tetrachloroethane	0.0500	0.0530		mg/Kg		106	70 - 125
Tetrachloroethene	0.0500	0.0487		mg/Kg		97	70 - 122
Toluene	0.0500	0.0492		mg/Kg		98	70 - 121
trans-1,2-Dichloroethene	0.0500	0.0506		mg/Kg		101	70 - 120
trans-1,3-Dichloropropene	0.0500	0.0461		mg/Kg		92	70 - 121
1,1,1-Trichloroethane	0.0500	0.0487		mg/Kg		97	70 - 120
1,1,2-Trichloroethane	0.0500	0.0534		mg/Kg		107	70 - 120
Trichloroethene	0.0500	0.0504		mg/Kg		101	70 - 124
Vinyl acetate	0.0500	0.0425		mg/Kg		85	40 - 150
Vinyl chloride	0.0500	0.0488		mg/Kg		98	64 - 125
Xylenes, Total	0.100	0.0984		mg/Kg		98	70 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 120*
Dibromofluoromethane	*111*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*69 - 134*
Toluene-d8 (Surr)	*122*		*75 - 123*

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

Lab Sample ID: LCSD 500-348225/6
Matrix: Solid
Analysis Batch: 348225

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0500	0.0409		mg/Kg		82	40 - 148	3	30
Benzene	0.0500	0.0498		mg/Kg		100	70 - 120	2	30
Bromodichloromethane	0.0500	0.0490		mg/Kg		98	67 - 120	1	30
Bromoform	0.0500	0.0494		mg/Kg		99	50 - 129	4	30
Bromomethane	0.0500	0.0533		mg/Kg		107	50 - 134	9	30
2-Butanone (MEK)	0.0500	0.0497		mg/Kg		99	47 - 138	9	30
Carbon disulfide	0.0500	0.0437		mg/Kg		87	67 - 133	2	30
Carbon tetrachloride	0.0500	0.0465		mg/Kg		93	65 - 123	2	30
Chlorobenzene	0.0500	0.0509		mg/Kg		102	70 - 120	0	30
Chloroethane	0.0500	0.0400		mg/Kg		80	40 - 150	5	30
Chloroform	0.0500	0.0501		mg/Kg		100	70 - 120	0	30
Chloromethane	0.0500	0.0456		mg/Kg		91	63 - 135	6	30
cis-1,2-Dichloroethene	0.0500	0.0505		mg/Kg		101	70 - 120	0	30
cis-1,3-Dichloropropene	0.0500	0.0468		mg/Kg		94	70 - 120	0	30
Dibromochloromethane	0.0500	0.0487		mg/Kg		97	68 - 120	1	30
1,1-Dichloroethane	0.0500	0.0469		mg/Kg		94	70 - 125	1	30
1,2-Dichloroethane	0.0500	0.0494		mg/Kg		99	65 - 126	1	30
1,1-Dichloroethene	0.0500	0.0493		mg/Kg		99	70 - 122	1	30
1,2-Dichloropropane	0.0500	0.0467		mg/Kg		93	70 - 126	2	30
Ethylbenzene	0.0500	0.0486		mg/Kg		97	70 - 120	2	30
2-Hexanone	0.0500	0.0528		mg/Kg		106	51 - 139	0	30
Methylene Chloride	0.0500	0.0520		mg/Kg		104	70 - 121	2	30
4-Methyl-2-pentanone (MIBK)	0.0500	0.0510		mg/Kg		102	51 - 141	5	30
Methyl tert-butyl ether	0.0500	0.0525		mg/Kg		105	70 - 121	2	30
Styrene	0.0500	0.0488		mg/Kg		98	70 - 121	2	30
1,1,2,2-Tetrachloroethane	0.0500	0.0536		mg/Kg		107	70 - 125	1	30
Tetrachloroethene	0.0500	0.0461		mg/Kg		92	70 - 122	5	30
Toluene	0.0500	0.0484		mg/Kg		97	70 - 121	2	30
trans-1,2-Dichloroethene	0.0500	0.0500		mg/Kg		100	70 - 120	1	30
trans-1,3-Dichloropropene	0.0500	0.0464		mg/Kg		93	70 - 121	1	30
1,1,1-Trichloroethane	0.0500	0.0479		mg/Kg		96	70 - 120	1	30
1,1,2-Trichloroethane	0.0500	0.0523		mg/Kg		105	70 - 120	2	30
Trichloroethene	0.0500	0.0485		mg/Kg		97	70 - 124	4	30
Vinyl acetate	0.0500	0.0413		mg/Kg		83	40 - 150	3	30
Vinyl chloride	0.0500	0.0463		mg/Kg		93	64 - 125	5	30
Xylenes, Total	0.100	0.0963		mg/Kg		96	70 - 123	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 120*
Dibromofluoromethane	*108*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*69 - 134*
Toluene-d8 (Surr)	*118*		*75 - 123*

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

Lab Sample ID: MB 500-348444/7
Matrix: Solid
Analysis Batch: 348444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg			08/19/16 10:42	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg			08/19/16 10:42	1
Bromodichloromethane	<0.0050		0.0050	0.00084	mg/Kg			08/19/16 10:42	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg			08/19/16 10:42	1
Bromomethane	<0.0050		0.0050	0.0018	mg/Kg			08/19/16 10:42	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg			08/19/16 10:42	1
Carbon disulfide	<0.0050		0.0050	0.0018	mg/Kg			08/19/16 10:42	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg			08/19/16 10:42	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg			08/19/16 10:42	1
Chloroethane	<0.0050		0.0050	0.0021	mg/Kg			08/19/16 10:42	1
Chloroform	<0.0050		0.0050	0.00098	mg/Kg			08/19/16 10:42	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg			08/19/16 10:42	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg			08/19/16 10:42	1
cis-1,3-Dichloropropene	<0.0040		0.0040	0.0011	mg/Kg			08/19/16 10:42	1
Dibromochloromethane	<0.0050		0.0050	0.00058	mg/Kg			08/19/16 10:42	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg			08/19/16 10:42	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg			08/19/16 10:42	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg			08/19/16 10:42	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg			08/19/16 10:42	1
1,3-Dichloropropene, Total	<0.0040		0.0040	0.0014	mg/Kg			08/19/16 10:42	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg			08/19/16 10:42	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg			08/19/16 10:42	1
Methylene Chloride	<0.0050		0.0050	0.0038	mg/Kg			08/19/16 10:42	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0010	mg/Kg			08/19/16 10:42	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg			08/19/16 10:42	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg			08/19/16 10:42	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.00079	mg/Kg			08/19/16 10:42	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg			08/19/16 10:42	1
Toluene	<0.0050		0.0050	0.0017	mg/Kg			08/19/16 10:42	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0013	mg/Kg			08/19/16 10:42	1
trans-1,3-Dichloropropene	<0.0040		0.0040	0.0014	mg/Kg			08/19/16 10:42	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg			08/19/16 10:42	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00097	mg/Kg			08/19/16 10:42	1
Trichloroethene	<0.0050		0.0050	0.0014	mg/Kg			08/19/16 10:42	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg			08/19/16 10:42	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg			08/19/16 10:42	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg			08/19/16 10:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 120*		*08/19/16 10:42*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*08/19/16 10:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*69 - 134*		*08/19/16 10:42*	*1*
Toluene-d8 (Surr)	*118*		*75 - 123*		*08/19/16 10:42*	*1*

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

Lab Sample ID: LCS 500-348444/5
Matrix: Solid
Analysis Batch: 348444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0456		mg/Kg		91	40 - 148
Benzene	0.0500	0.0484		mg/Kg		97	70 - 120
Bromodichloromethane	0.0500	0.0464		mg/Kg		93	67 - 120
Bromoform	0.0500	0.0422		mg/Kg		84	50 - 129
Bromomethane	0.0500	0.0539		mg/Kg		108	50 - 134
2-Butanone (MEK)	0.0500	0.0464		mg/Kg		93	47 - 138
Carbon disulfide	0.0500	0.0422		mg/Kg		84	67 - 133
Carbon tetrachloride	0.0500	0.0453		mg/Kg		91	65 - 123
Chlorobenzene	0.0500	0.0482		mg/Kg		96	70 - 120
Chloroethane	0.0500	0.0422		mg/Kg		84	40 - 150
Chloroform	0.0500	0.0487		mg/Kg		97	70 - 120
Chloromethane	0.0500	0.0435		mg/Kg		87	63 - 135
cis-1,2-Dichloroethene	0.0500	0.0489		mg/Kg		98	70 - 120
cis-1,3-Dichloropropene	0.0500	0.0433		mg/Kg		87	70 - 120
Dibromochloromethane	0.0500	0.0461		mg/Kg		92	68 - 120
1,1-Dichloroethane	0.0500	0.0458		mg/Kg		92	70 - 125
1,2-Dichloroethane	0.0500	0.0464		mg/Kg		93	65 - 126
1,1-Dichloroethene	0.0500	0.0462		mg/Kg		92	70 - 122
1,2-Dichloropropane	0.0500	0.0466		mg/Kg		93	70 - 126
Ethylbenzene	0.0500	0.0468		mg/Kg		94	70 - 120
2-Hexanone	0.0500	0.0424		mg/Kg		85	51 - 139
Methylene Chloride	0.0500	0.0445		mg/Kg		89	70 - 121
4-Methyl-2-pentanone (MIBK)	0.0500	0.0425		mg/Kg		85	51 - 141
Methyl tert-butyl ether	0.0500	0.0475		mg/Kg		95	70 - 121
Styrene	0.0500	0.0471		mg/Kg		94	70 - 121
1,1,2,2-Tetrachloroethane	0.0500	0.0482		mg/Kg		96	70 - 125
Tetrachloroethene	0.0500	0.0459		mg/Kg		92	70 - 122
Toluene	0.0500	0.0465		mg/Kg		93	70 - 121
trans-1,2-Dichloroethene	0.0500	0.0487		mg/Kg		97	70 - 120
trans-1,3-Dichloropropene	0.0500	0.0430		mg/Kg		86	70 - 121
1,1,1-Trichloroethane	0.0500	0.0482		mg/Kg		96	70 - 120
1,1,2-Trichloroethane	0.0500	0.0493		mg/Kg		99	70 - 120
Trichloroethene	0.0500	0.0475		mg/Kg		95	70 - 124
Vinyl acetate	0.0500	0.0338		mg/Kg		68	40 - 150
Vinyl chloride	0.0500	0.0438		mg/Kg		88	64 - 125
Xylenes, Total	0.100	0.0932		mg/Kg		93	70 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 120*
Dibromofluoromethane	*107*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*90*		*69 - 134*
Toluene-d8 (Surr)	*119*		*75 - 123*

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

Lab Sample ID: LCSD 500-348444/6
Matrix: Solid
Analysis Batch: 348444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0500	0.0463		mg/Kg		93	40 - 148	2	30
Benzene	0.0500	0.0494		mg/Kg		99	70 - 120	2	30
Bromodichloromethane	0.0500	0.0465		mg/Kg		93	67 - 120	0	30
Bromoform	0.0500	0.0457		mg/Kg		91	50 - 129	8	30
Bromomethane	0.0500	0.0522		mg/Kg		104	50 - 134	3	30
2-Butanone (MEK)	0.0500	0.0470		mg/Kg		94	47 - 138	1	30
Carbon disulfide	0.0500	0.0421		mg/Kg		84	67 - 133	0	30
Carbon tetrachloride	0.0500	0.0464		mg/Kg		93	65 - 123	2	30
Chlorobenzene	0.0500	0.0488		mg/Kg		98	70 - 120	1	30
Chloroethane	0.0500	0.0400		mg/Kg		80	40 - 150	6	30
Chloroform	0.0500	0.0492		mg/Kg		98	70 - 120	1	30
Chloromethane	0.0500	0.0421		mg/Kg		84	63 - 135	3	30
cis-1,2-Dichloroethene	0.0500	0.0496		mg/Kg		99	70 - 120	1	30
cis-1,3-Dichloropropene	0.0500	0.0451		mg/Kg		90	70 - 120	4	30
Dibromochloromethane	0.0500	0.0470		mg/Kg		94	68 - 120	2	30
1,1-Dichloroethane	0.0500	0.0465		mg/Kg		93	70 - 125	1	30
1,2-Dichloroethane	0.0500	0.0475		mg/Kg		95	65 - 126	2	30
1,1-Dichloroethene	0.0500	0.0491		mg/Kg		98	70 - 122	6	30
1,2-Dichloropropane	0.0500	0.0481		mg/Kg		96	70 - 126	3	30
Ethylbenzene	0.0500	0.0478		mg/Kg		96	70 - 120	2	30
2-Hexanone	0.0500	0.0458		mg/Kg		92	51 - 139	8	30
Methylene Chloride	0.0500	0.0517		mg/Kg		103	70 - 121	15	30
4-Methyl-2-pentanone (MIBK)	0.0500	0.0447		mg/Kg		89	51 - 141	5	30
Methyl tert-butyl ether	0.0500	0.0497		mg/Kg		99	70 - 121	5	30
Styrene	0.0500	0.0489		mg/Kg		98	70 - 121	4	30
1,1,2,2-Tetrachloroethane	0.0500	0.0493		mg/Kg		99	70 - 125	2	30
Tetrachloroethene	0.0500	0.0454		mg/Kg		91	70 - 122	1	30
Toluene	0.0500	0.0467		mg/Kg		93	70 - 121	0	30
trans-1,2-Dichloroethene	0.0500	0.0492		mg/Kg		98	70 - 120	1	30
trans-1,3-Dichloropropene	0.0500	0.0455		mg/Kg		91	70 - 121	6	30
1,1,1-Trichloroethane	0.0500	0.0480		mg/Kg		96	70 - 120	0	30
1,1,2-Trichloroethane	0.0500	0.0492		mg/Kg		98	70 - 120	0	30
Trichloroethene	0.0500	0.0478		mg/Kg		96	70 - 124	1	30
Vinyl acetate	0.0500	0.0371		mg/Kg		74	40 - 150	9	30
Vinyl chloride	0.0500	0.0432		mg/Kg		86	64 - 125	1	30
Xylenes, Total	0.100	0.0943		mg/Kg		94	70 - 123	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 120*
Dibromofluoromethane	*110*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*69 - 134*
Toluene-d8 (Surr)	*119*		*75 - 123*

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

Lab Sample ID: MB 500-348843/1-A
Matrix: Solid
Analysis Batch: 348954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.033		0.033	0.0060	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Acenaphthylene	<0.033		0.033	0.0044	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Anthracene	<0.033		0.033	0.0056	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Benzo[a]anthracene	<0.033		0.033	0.0045	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Benzo[a]pyrene	<0.033		0.033	0.0064	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Benzo[b]fluoranthene	<0.033		0.033	0.0072	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Benzo[g,h,i]perylene	<0.033		0.033	0.011	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Benzo[k]fluoranthene	<0.033		0.033	0.0098	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.034	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.050	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.061	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.044	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Butyl benzyl phthalate	<0.17		0.17	0.063	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Carbazole	<0.17		0.17	0.083	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
4-Chloroaniline	<0.67		0.67	0.16	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
4-Chloro-3-methylphenol	<0.33		0.33	0.11	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2-Chloronaphthalene	<0.17		0.17	0.037	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2-Chlorophenol	<0.17		0.17	0.057	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.039	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Chrysene	<0.033		0.033	0.0091	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Dibenz(a,h)anthracene	<0.033		0.033	0.0064	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Dibenzofuran	<0.17		0.17	0.039	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
1,2-Dichlorobenzene	<0.17		0.17	0.040	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
1,3-Dichlorobenzene	<0.17		0.17	0.037	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
1,4-Dichlorobenzene	<0.17		0.17	0.043	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.047	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2,4-Dichlorophenol	<0.33		0.33	0.079	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Diethyl phthalate	<0.17		0.17	0.056	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2,4-Dimethylphenol	<0.33		0.33	0.13	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Dimethyl phthalate	<0.17		0.17	0.043	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Di-n-butyl phthalate	<0.17		0.17	0.051	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
4,6-Dinitro-2-methylphenol	<0.67		0.67	0.27	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2,4-Dinitrophenol	<0.67		0.67	0.59	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2,4-Dinitrotoluene	<0.17		0.17	0.053	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2,6-Dinitrotoluene	<0.17		0.17	0.065	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Di-n-octyl phthalate	<0.17		0.17	0.054	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Fluoranthene	<0.033		0.033	0.0062	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Fluorene	<0.033		0.033	0.0047	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Hexachlorobenzene	<0.067		0.067	0.0077	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Hexachlorobutadiene	<0.17		0.17	0.052	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Hexachlorocyclopentadiene	<0.67		0.67	0.19	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Hexachloroethane	<0.17		0.17	0.051	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.0086	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Isophorone	<0.17		0.17	0.037	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2-Methylnaphthalene	<0.067		0.067	0.0061	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2-Methylphenol	<0.17		0.17	0.053	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
3 & 4 Methylphenol	<0.17		0.17	0.055	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Naphthalene	<0.033		0.033	0.0051	mg/Kg		08/23/16 07:35	08/23/16 21:32	1

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

Lab Sample ID: MB 500-348843/1-A
Matrix: Solid
Analysis Batch: 348954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<0.17		0.17	0.045	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
3-Nitroaniline	<0.33		0.33	0.10	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
4-Nitroaniline	<0.33		0.33	0.14	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Nitrobenzene	<0.033		0.033	0.0083	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2-Nitrophenol	<0.33		0.33	0.079	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
4-Nitrophenol	<0.67		0.67	0.32	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
N-Nitrosodi-n-propylamine	<0.067		0.067	0.041	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
N-Nitrosodiphenylamine	<0.17		0.17	0.039	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.039	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Pentachlorophenol	<0.67		0.67	0.53	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Phenanthrene	<0.033		0.033	0.0046	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Phenol	<0.17		0.17	0.074	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
Pyrene	<0.033		0.033	0.0066	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.036	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2,4,5-Trichlorophenol	<0.33		0.33	0.076	mg/Kg		08/23/16 07:35	08/23/16 21:32	1
2,4,6-Trichlorophenol	<0.33		0.33	0.11	mg/Kg		08/23/16 07:35	08/23/16 21:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*42 - 115*	*08/23/16 07:35*	*08/23/16 21:32*	*1*
2-Fluorophenol	*91*		*40 - 130*	*08/23/16 07:35*	*08/23/16 21:32*	*1*
Nitrobenzene-d5	*80*		*33 - 124*	*08/23/16 07:35*	*08/23/16 21:32*	*1*
Phenol-d5	*88*		*36 - 123*	*08/23/16 07:35*	*08/23/16 21:32*	*1*
Terphenyl-d14	*107*		*25 - 150*	*08/23/16 07:35*	*08/23/16 21:32*	*1*
2,4,6-Tribromophenol	*61*		*25 - 130*	*08/23/16 07:35*	*08/23/16 21:32*	*1*

Lab Sample ID: LCS 500-348843/2-A
Matrix: Solid
Analysis Batch: 348954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.33	1.22		mg/Kg		92	52 - 113
Acenaphthylene	1.33	1.23		mg/Kg		92	57 - 116
Anthracene	1.33	1.27		mg/Kg		95	57 - 118
Benzo[a]anthracene	1.33	1.46		mg/Kg		110	63 - 115
Benzo[a]pyrene	1.33	1.48		mg/Kg		111	64 - 122
Benzo[b]fluoranthene	1.33	1.42		mg/Kg		106	61 - 123
Benzo[g,h,i]perylene	1.33	1.47		mg/Kg		110	55 - 134
Benzo[k]fluoranthene	1.33	1.59		mg/Kg		119	59 - 125
Bis(2-chloroethoxy)methane	1.33	1.26		mg/Kg		94	59 - 116
Bis(2-chloroethyl)ether	1.33	1.22		mg/Kg		92	53 - 116
Bis(2-ethylhexyl) phthalate	1.33	1.39		mg/Kg		104	62 - 117
4-Bromophenyl phenyl ether	1.33	1.43		mg/Kg		107	61 - 124
Butyl benzyl phthalate	1.33	1.26		mg/Kg		95	61 - 115
Carbazole	1.33	1.65		mg/Kg		124	65 - 137
4-Chloroaniline	1.33	1.08		mg/Kg		81	10 - 150
4-Chloro-3-methylphenol	1.33	1.25		mg/Kg		94	59 - 117
2-Chloronaphthalene	1.33	1.29		mg/Kg		97	57 - 112
2-Chlorophenol	1.33	1.27		mg/Kg		95	57 - 117

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

Lab Sample ID: LCS 500-348843/2-A
Matrix: Solid
Analysis Batch: 348954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorophenyl phenyl ether	1.33	1.33		mg/Kg		100	61 - 111
Chrysene	1.33	1.35		mg/Kg		101	63 - 118
Dibenz(a,h)anthracene	1.33	1.43		mg/Kg		107	61 - 134
Dibenzofuran	1.33	1.26		mg/Kg		95	59 - 110
1,2-Dichlorobenzene	1.33	1.35		mg/Kg		101	56 - 110
1,3-Dichlorobenzene	1.33	1.29		mg/Kg		97	56 - 110
1,4-Dichlorobenzene	1.33	1.37		mg/Kg		103	57 - 110
3,3'-Dichlorobenzidine	1.33	0.994		mg/Kg		75	40 - 110
2,4-Dichlorophenol	1.33	1.47		mg/Kg		110	61 - 116
Diethyl phthalate	1.33	1.40		mg/Kg		105	58 - 117
2,4-Dimethylphenol	1.33	1.20		mg/Kg		90	50 - 120
Dimethyl phthalate	1.33	1.23		mg/Kg		92	60 - 112
Di-n-butyl phthalate	1.33	1.36		mg/Kg		102	61 - 123
4,6-Dinitro-2-methylphenol	2.67	1.84		mg/Kg		69	10 - 110
2,4-Dinitrophenol	2.67	1.27		mg/Kg		48	10 - 110
2,4-Dinitrotoluene	1.33	1.27		mg/Kg		95	59 - 119
2,6-Dinitrotoluene	1.33	1.13		mg/Kg		84	57 - 118
Di-n-octyl phthalate	1.33	1.35		mg/Kg		101	58 - 129
Fluoranthene	1.33	1.46		mg/Kg		110	61 - 124
Fluorene	1.33	1.31		mg/Kg		98	56 - 115
Hexachlorobenzene	1.33	1.24		mg/Kg		93	62 - 126
Hexachlorobutadiene	1.33	1.51		mg/Kg		113	56 - 120
Hexachlorocyclopentadiene	1.33	0.245	J	mg/Kg		18	10 - 116
Hexachloroethane	1.33	1.24		mg/Kg		93	54 - 111
Indeno[1,2,3-cd]pyrene	1.33	1.69		mg/Kg		127	50 - 149
Isophorone	1.33	1.16		mg/Kg		87	54 - 120
2-Methylnaphthalene	1.33	1.50		mg/Kg		112	55 - 120
2-Methylphenol	1.33	1.43		mg/Kg		107	53 - 123
3 & 4 Methylphenol	1.33	1.38		mg/Kg		104	55 - 124
Naphthalene	1.33	1.35		mg/Kg		101	58 - 116
2-Nitroaniline	1.33	1.05		mg/Kg		79	52 - 121
3-Nitroaniline	1.33	1.25		mg/Kg		94	20 - 144
4-Nitroaniline	1.33	1.69		mg/Kg		127	55 - 146
Nitrobenzene	1.33	1.17		mg/Kg		88	56 - 121
2-Nitrophenol	1.33	1.51		mg/Kg		113	58 - 121
4-Nitrophenol	2.67	1.75		mg/Kg		66	32 - 123
N-Nitrosodi-n-propylamine	1.33	1.26		mg/Kg		94	56 - 119
N-Nitrosodiphenylamine	1.33	1.39		mg/Kg		104	62 - 117
2,2'-oxybis[1-chloropropane]	1.33	1.48		mg/Kg		111	22 - 133
Pentachlorophenol	2.67	1.68		mg/Kg		63	12 - 116
Phenanthrene	1.33	1.67		mg/Kg		125	58 - 125
Phenol	1.33	1.41		mg/Kg		106	55 - 118
Pyrene	1.33	1.42		mg/Kg		106	60 - 115
1,2,4-Trichlorobenzene	1.33	1.49		mg/Kg		111	60 - 116
2,4,5-Trichlorophenol	1.33	1.16		mg/Kg		87	42 - 119
2,4,6-Trichlorophenol	1.33	1.47		mg/Kg		111	50 - 120

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

Lab Sample ID: LCS 500-348843/2-A
Matrix: Solid
Analysis Batch: 348954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348843

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*42 - 115*
2-Fluorophenol	*89*		*40 - 130*
Nitrobenzene-d5	*87*		*33 - 124*
Phenol-d5	*91*		*36 - 123*
Terphenyl-d14	*100*		*25 - 150*
2,4,6-Tribromophenol	*69*		*25 - 130*

Lab Sample ID: 500-115838-F-1-H MS
Matrix: Solid
Analysis Batch: 349052

Client Sample ID: 500-115838-F-1-H MS
Prep Type: Total/NA
Prep Batch: 348843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.19		1.52	1.09		mg/Kg	☼	72	52 - 113
Acenaphthylene	<0.19		1.52	1.21		mg/Kg	☼	80	57 - 116
Anthracene	0.069	J	1.52	1.31		mg/Kg	☼	82	57 - 118
Benzo[a]anthracene	0.24		1.52	1.49		mg/Kg	☼	83	63 - 115
Benzo[a]pyrene	0.29		1.52	1.56		mg/Kg	☼	84	64 - 122
Benzo[b]fluoranthene	0.45		1.52	1.69		mg/Kg	☼	82	61 - 123
Benzo[g,h,i]perylene	0.27		1.52	1.74		mg/Kg	☼	97	55 - 134
Benzo[k]fluoranthene	0.11	J	1.52	1.43		mg/Kg	☼	87	59 - 125
Bis(2-chloroethoxy)methane	<0.95		1.52	1.26		mg/Kg	☼	83	59 - 116
Bis(2-chloroethyl)ether	<0.95		1.52	1.16		mg/Kg	☼	77	53 - 116
Bis(2-ethylhexyl) phthalate	<0.95	F1	1.52	2.41	F1	mg/Kg	☼	159	62 - 117
4-Bromophenyl phenyl ether	<0.95		1.52	1.60		mg/Kg	☼	105	61 - 124
Butyl benzyl phthalate	<0.95	F1	1.52	2.84	F1	mg/Kg	☼	187	61 - 115
Carbazole	<0.95		1.52	1.45		mg/Kg	☼	96	65 - 137
4-Chloroaniline	<3.8	F1	1.52	<3.8	F1	mg/Kg	☼	0	10 - 150
4-Chloro-3-methylphenol	<1.9		1.52	1.35	J	mg/Kg	☼	89	59 - 117
2-Chloronaphthalene	<0.95		1.52	1.21		mg/Kg	☼	80	57 - 112
2-Chlorophenol	<0.95		1.52	1.23		mg/Kg	☼	81	57 - 117
4-Chlorophenyl phenyl ether	<0.95		1.52	1.14		mg/Kg	☼	75	61 - 111
Chrysene	0.35		1.52	1.56		mg/Kg	☼	80	63 - 118
Dibenz(a,h)anthracene	<0.19		1.52	1.54		mg/Kg	☼	101	61 - 134
Dibenzofuran	<0.95		1.52	1.24		mg/Kg	☼	81	59 - 110
1,2-Dichlorobenzene	<0.95		1.52	1.18		mg/Kg	☼	78	56 - 110
1,3-Dichlorobenzene	<0.95		1.52	1.17		mg/Kg	☼	77	56 - 110
1,4-Dichlorobenzene	<0.95		1.52	1.19		mg/Kg	☼	78	57 - 110
3,3'-Dichlorobenzidine	<0.95		1.52	0.687	J	mg/Kg	☼	45	40 - 110
2,4-Dichlorophenol	<1.9		1.52	1.26	J	mg/Kg	☼	83	61 - 116
Diethyl phthalate	<0.95		1.52	1.26		mg/Kg	☼	83	58 - 117
2,4-Dimethylphenol	<1.9		1.52	1.20	J	mg/Kg	☼	79	50 - 120
Dimethyl phthalate	<0.95		1.52	1.28		mg/Kg	☼	84	60 - 112
Di-n-butyl phthalate	<0.95		1.52	1.57		mg/Kg	☼	103	61 - 123
4,6-Dinitro-2-methylphenol	<3.8	F1	3.03	<3.8	F1	mg/Kg	☼	0	10 - 110
2,4-Dinitrophenol	<3.8		3.03	<3.8		mg/Kg	☼	NC	10 - 110
2,4-Dinitrotoluene	<0.95	F1	1.52	0.709	J F1	mg/Kg	☼	47	59 - 119
2,6-Dinitrotoluene	<0.95		1.52	1.08		mg/Kg	☼	71	57 - 118
Di-n-octyl phthalate	<0.95	F1	1.52	0.499	J F1	mg/Kg	☼	33	58 - 129

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

Lab Sample ID: 500-115838-F-1-H MS
Matrix: Solid
Analysis Batch: 349052

Client Sample ID: 500-115838-F-1-H MS
Prep Type: Total/NA
Prep Batch: 348843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	0.50	F1	1.52	0.982	F1	mg/Kg	☼	31	61 - 124
Fluorene	<0.19		1.52	1.14		mg/Kg	☼	75	56 - 115
Hexachlorobenzene	<0.38		1.52	1.42		mg/Kg	☼	93	62 - 126
Hexachlorobutadiene	<0.95		1.52	1.25		mg/Kg	☼	83	56 - 120
Hexachlorocyclopentadiene	<3.8	F1	1.52	<3.8	F1	mg/Kg	☼	0	10 - 116
Hexachloroethane	<0.95	F1	1.52	0.357	J F1	mg/Kg	☼	24	54 - 111
Indeno[1,2,3-cd]pyrene	0.19		1.52	2.12		mg/Kg	☼	127	50 - 149
Isophorone	<0.95		1.52	1.27		mg/Kg	☼	84	54 - 120
2-Methylnaphthalene	0.045	J	1.52	1.79		mg/Kg	☼	115	55 - 120
2-Methylphenol	<0.95		1.52	1.21		mg/Kg	☼	80	53 - 123
3 & 4 Methylphenol	<0.95		1.52	1.20		mg/Kg	☼	79	55 - 124
Naphthalene	<0.19		1.52	1.29		mg/Kg	☼	85	58 - 116
2-Nitroaniline	<0.95		1.52	1.41		mg/Kg	☼	93	52 - 121
3-Nitroaniline	<1.9		1.52	2.02		mg/Kg	☼	133	20 - 144
4-Nitroaniline	<1.9		1.52	1.14	J	mg/Kg	☼	75	55 - 146
Nitrobenzene	<0.19		1.52	1.37		mg/Kg	☼	90	56 - 121
2-Nitrophenol	<1.9	F1	1.52	0.772	J F1	mg/Kg	☼	51	58 - 121
4-Nitrophenol	<3.8	F1	3.03	<3.8	F1	mg/Kg	☼	0	32 - 123
N-Nitrosodi-n-propylamine	<0.38		1.52	1.19		mg/Kg	☼	78	56 - 119
N-Nitrosodiphenylamine	<0.95		1.52	1.78		mg/Kg	☼	117	62 - 117
2,2'-oxybis[1-chloropropane]	<0.95		1.52	1.37		mg/Kg	☼	90	22 - 133
Pentachlorophenol	<3.8	F1	3.03	<3.8	F1	mg/Kg	☼	0	12 - 116
Phenanthrene	0.38		1.52	1.50		mg/Kg	☼	73	58 - 125
Phenol	<0.95		1.52	1.26		mg/Kg	☼	83	55 - 118
Pyrene	0.79	F1	1.52	3.11	F1	mg/Kg	☼	153	60 - 115
1,2,4-Trichlorobenzene	<0.95		1.52	1.25		mg/Kg	☼	82	60 - 116
2,4,5-Trichlorophenol	<1.9		1.52	0.916	J	mg/Kg	☼	60	42 - 119
2,4,6-Trichlorophenol	<1.9		1.52	1.01	J	mg/Kg	☼	67	50 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*42 - 115*
2-Fluorophenol	*90*		*40 - 130*
Nitrobenzene-d5	*80*		*33 - 124*
Phenol-d5	*82*		*36 - 123*
Terphenyl-d14	*173*	*X*	*25 - 150*
2,4,6-Tribromophenol	*64*		*25 - 130*

Lab Sample ID: 500-115838-F-1-I MSD
Matrix: Solid
Analysis Batch: 349052

Client Sample ID: 500-115838-F-1-I MSD
Prep Type: Total/NA
Prep Batch: 348843

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	<0.19		1.49	1.13		mg/Kg	☼	76	52 - 113	3	30
Acenaphthylene	<0.19		1.49	1.26		mg/Kg	☼	84	57 - 116	3	30
Anthracene	0.069	J	1.49	1.33		mg/Kg	☼	85	57 - 118	2	30
Benzo[a]anthracene	0.24		1.49	1.52		mg/Kg	☼	86	63 - 115	2	30
Benzo[a]pyrene	0.29		1.49	1.56		mg/Kg	☼	86	64 - 122	0	30
Benzo[b]fluoranthene	0.45		1.49	1.53		mg/Kg	☼	73	61 - 123	10	30

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

Lab Sample ID: 500-115838-F-1-I MSD
Matrix: Solid
Analysis Batch: 349052

Client Sample ID: 500-115838-F-1-I MSD
Prep Type: Total/NA
Prep Batch: 348843

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[g,h,i]perylene	0.27		1.49	1.72		mg/Kg	☼	97	55 - 134	1	30
Benzo[k]fluoranthene	0.11	J	1.49	1.40		mg/Kg	☼	86	59 - 125	2	30
Bis(2-chloroethoxy)methane	<0.95		1.49	1.21		mg/Kg	☼	81	59 - 116	4	30
Bis(2-chloroethyl)ether	<0.95		1.49	1.11		mg/Kg	☼	75	53 - 116	4	30
Bis(2-ethylhexyl) phthalate	<0.95	F1	1.49	2.40	F1	mg/Kg	☼	161	62 - 117	0	30
4-Bromophenyl phenyl ether	<0.95		1.49	1.59		mg/Kg	☼	107	61 - 124	1	30
Butyl benzyl phthalate	<0.95	F1	1.49	2.86	F1	mg/Kg	☼	192	61 - 115	1	30
Carbazole	<0.95		1.49	1.47		mg/Kg	☼	99	65 - 137	1	30
4-Chloroaniline	<3.8	F1	1.49	<3.7	F1	mg/Kg	☼	0	10 - 150	NC	30
4-Chloro-3-methylphenol	<1.9		1.49	1.37	J	mg/Kg	☼	92	59 - 117	1	30
2-Chloronaphthalene	<0.95		1.49	1.25		mg/Kg	☼	84	57 - 112	3	30
2-Chlorophenol	<0.95		1.49	1.23		mg/Kg	☼	83	57 - 117	0	30
4-Chlorophenyl phenyl ether	<0.95		1.49	1.16		mg/Kg	☼	78	61 - 111	1	30
Chrysene	0.35		1.49	1.52		mg/Kg	☼	79	63 - 118	2	30
Dibenz(a,h)anthracene	<0.19		1.49	1.52		mg/Kg	☼	102	61 - 134	1	30
Dibenzofuran	<0.95		1.49	1.29		mg/Kg	☼	86	59 - 110	4	30
1,2-Dichlorobenzene	<0.95		1.49	1.14		mg/Kg	☼	76	56 - 110	4	30
1,3-Dichlorobenzene	<0.95		1.49	1.15		mg/Kg	☼	77	56 - 110	2	30
1,4-Dichlorobenzene	<0.95		1.49	1.12		mg/Kg	☼	75	57 - 110	6	30
3,3'-Dichlorobenzidine	<0.95		1.49	0.831	J	mg/Kg	☼	56	40 - 110	19	30
2,4-Dichlorophenol	<1.9		1.49	1.23	J	mg/Kg	☼	83	61 - 116	3	30
Diethyl phthalate	<0.95		1.49	1.32		mg/Kg	☼	89	58 - 117	5	30
2,4-Dimethylphenol	<1.9		1.49	1.21	J	mg/Kg	☼	81	50 - 120	1	30
Dimethyl phthalate	<0.95		1.49	1.32		mg/Kg	☼	89	60 - 112	3	30
Di-n-butyl phthalate	<0.95		1.49	1.57		mg/Kg	☼	105	61 - 123	0	30
4,6-Dinitro-2-methylphenol	<3.8	F1	2.98	<3.7	F1	mg/Kg	☼	0	10 - 110	NC	30
2,4-Dinitrophenol	<3.8		2.98	<3.7		mg/Kg	☼	NC	10 - 110	NC	30
2,4-Dinitrotoluene	<0.95	F1	1.49	0.797	J F1	mg/Kg	☼	54	59 - 119	12	30
2,6-Dinitrotoluene	<0.95		1.49	1.13		mg/Kg	☼	76	57 - 118	5	30
Di-n-octyl phthalate	<0.95	F1	1.49	0.503	J F1	mg/Kg	☼	34	58 - 129	1	30
Fluoranthene	0.50	F1	1.49	1.06	F1	mg/Kg	☼	38	61 - 124	8	30
Fluorene	<0.19		1.49	1.19		mg/Kg	☼	80	56 - 115	4	30
Hexachlorobenzene	<0.38		1.49	1.37		mg/Kg	☼	92	62 - 126	4	30
Hexachlorobutadiene	<0.95		1.49	1.20		mg/Kg	☼	80	56 - 120	5	30
Hexachlorocyclopentadiene	<3.8	F1	1.49	<3.7	F1	mg/Kg	☼	0	10 - 116	NC	30
Hexachloroethane	<0.95	F1	1.49	0.342	J F1	mg/Kg	☼	23	54 - 111	4	30
Indeno[1,2,3-cd]pyrene	0.19		1.49	2.15		mg/Kg	☼	131	50 - 149	1	30
Isophorone	<0.95		1.49	1.23		mg/Kg	☼	83	54 - 120	3	30
2-Methylnaphthalene	0.045	J	1.49	1.62		mg/Kg	☼	106	55 - 120	10	30
2-Methylphenol	<0.95		1.49	1.27		mg/Kg	☼	85	53 - 123	5	30
3 & 4 Methylphenol	<0.95		1.49	1.23		mg/Kg	☼	82	55 - 124	2	30
Naphthalene	<0.19		1.49	1.23		mg/Kg	☼	83	58 - 116	5	30
2-Nitroaniline	<0.95		1.49	1.47		mg/Kg	☼	99	52 - 121	4	30
3-Nitroaniline	<1.9		1.49	2.10		mg/Kg	☼	141	20 - 144	4	30
4-Nitroaniline	<1.9		1.49	1.11	J	mg/Kg	☼	74	55 - 146	3	30
Nitrobenzene	<0.19		1.49	1.30		mg/Kg	☼	87	56 - 121	5	30
2-Nitrophenol	<1.9	F1	1.49	0.730	J F1	mg/Kg	☼	49	58 - 121	5	30
4-Nitrophenol	<3.8	F1	2.98	<3.7	F1	mg/Kg	☼	0	32 - 123	NC	30

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

Lab Sample ID: 500-115838-F-1-I MSD
Matrix: Solid
Analysis Batch: 349052

Client Sample ID: 500-115838-F-1-I MSD
Prep Type: Total/NA
Prep Batch: 348843

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Nitrosodi-n-propylamine	<0.38		1.49	1.17		mg/Kg	☼	79	56 - 119	1	30
N-Nitrosodiphenylamine	<0.95		1.49	1.74		mg/Kg	☼	117	62 - 117	2	30
2,2'-oxybis[1-chloropropane]	<0.95		1.49	1.35		mg/Kg	☼	90	22 - 133	2	30
Pentachlorophenol	<3.8	F1	2.98	<3.7		mg/Kg	☼	NC	12 - 116	NC	30
Phenanthrene	0.38		1.49	1.63		mg/Kg	☼	84	58 - 125	8	30
Phenol	<0.95		1.49	1.30		mg/Kg	☼	87	55 - 118	3	30
Pyrene	0.79	F1	1.49	3.29	F1	mg/Kg	☼	168	60 - 115	6	30
1,2,4-Trichlorobenzene	<0.95		1.49	1.20		mg/Kg	☼	81	60 - 116	4	30
2,4,5-Trichlorophenol	<1.9		1.49	1.17	J	mg/Kg	☼	79	42 - 119	25	30
2,4,6-Trichlorophenol	<1.9		1.49	1.09	J	mg/Kg	☼	73	50 - 120	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*42 - 115*
2-Fluorophenol	*90*		*40 - 130*
Nitrobenzene-d5	*76*		*33 - 124*
Phenol-d5	*85*		*36 - 123*
Terphenyl-d14	*173*	*X*	*25 - 150*
2,4,6-Tribromophenol	*71*		*25 - 130*

Method: 6010B - SPLP Metals

Lab Sample ID: LCS 500-348918/2-A
Matrix: Solid
Analysis Batch: 349429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348918

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			0.100	0.102		mg/L		102	80 - 120		

Lab Sample ID: LB 500-348751/1-B
Matrix: Solid
Analysis Batch: 349429

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 348918

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 14:05	08/26/16 11:55	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-348538/1-A
Matrix: Solid
Analysis Batch: 348815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<2.0		2.0	0.42	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Arsenic	<1.0		1.0	0.46	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Barium	<1.0		1.0	0.18	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Beryllium	<0.40		0.40	0.087	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Cadmium	<0.20		0.20	0.058	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Chromium	<1.0		1.0	0.17	mg/Kg		08/19/16 14:37	08/22/16 20:02	1

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

Lab Sample ID: MB 500-348538/1-A
Matrix: Solid
Analysis Batch: 348815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.50		0.50	0.11	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Copper	<1.0		1.0	0.22	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Iron	24.6		20	7.7	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Lead	<0.50		0.50	0.25	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Magnesium	17.2		10	4.1	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Calcium	27.6		20	6.4	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Manganese	0.277	J	1.0	0.20	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Nickel	<1.0		1.0	0.27	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Selenium	<1.0		1.0	0.50	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Silver	<0.50		0.50	0.12	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Thallium	<1.0		1.0	0.49	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Vanadium	<0.50		0.50	0.15	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Zinc	<2.0		2.0	0.63	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Potassium	<50		50	8.2	mg/Kg		08/19/16 14:37	08/22/16 20:02	1
Sodium	<100		100	13	mg/Kg		08/19/16 14:37	08/22/16 20:02	1

Lab Sample ID: LCS 500-348538/2-A
Matrix: Solid
Analysis Batch: 348815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	42.6		mg/Kg		85	80 - 120
Arsenic	10.0	9.04		mg/Kg		90	80 - 120
Barium	200	183		mg/Kg		91	80 - 120
Beryllium	5.00	4.70		mg/Kg		94	80 - 120
Cadmium	5.00	4.40		mg/Kg		88	80 - 120
Chromium	20.0	18.2		mg/Kg		91	80 - 120
Cobalt	50.0	44.8		mg/Kg		90	80 - 120
Copper	25.0	23.0		mg/Kg		92	80 - 120
Iron	100	112		mg/Kg		112	80 - 120
Lead	10.0	8.93		mg/Kg		89	80 - 120
Magnesium	1000	939		mg/Kg		94	80 - 120
Calcium	1000	940		mg/Kg		94	80 - 120
Manganese	50.0	46.1		mg/Kg		92	80 - 120
Nickel	50.0	45.4		mg/Kg		91	80 - 120
Selenium	10.0	8.13		mg/Kg		81	80 - 120
Silver	5.00	4.56		mg/Kg		91	80 - 120
Thallium	10.0	8.42		mg/Kg		84	80 - 120
Vanadium	50.0	48.7		mg/Kg		97	80 - 120
Zinc	50.0	43.2		mg/Kg		86	80 - 120
Potassium	1000	995		mg/Kg		100	80 - 120
Sodium	1000	1040		mg/Kg		104	80 - 120

Lab Sample ID: 500-115838-1 MS
Matrix: Solid
Analysis Batch: 348815

Client Sample ID: 2282V-8-B01 (0-5)
Prep Type: Total/NA
Prep Batch: 348538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<1.2	F1	28.0	5.98	F1	mg/Kg	☼	21	75 - 125

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

Lab Sample ID: 500-115838-1 MS
Matrix: Solid
Analysis Batch: 348815

Client Sample ID: 2282V-8-B01 (0-5)
Prep Type: Total/NA
Prep Batch: 348538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.6		5.61	10.4		mg/Kg	☼	87	75 - 125
Barium	70		112	164		mg/Kg	☼	84	75 - 125
Beryllium	0.47		2.80	2.74		mg/Kg	☼	81	75 - 125
Cadmium	0.42		2.80	2.59		mg/Kg	☼	77	75 - 125
Chromium	12		11.2	20.7		mg/Kg	☼	80	75 - 125
Cobalt	7.8		28.0	36.4		mg/Kg	☼	102	75 - 125
Copper	12		14.0	23.0		mg/Kg	☼	81	75 - 125
Iron	14000	B	56.1	15100	4	mg/Kg	☼	1933	75 - 125
Lead	44		5.61	47.6	4	mg/Kg	☼	58	75 - 125
Magnesium	5000	B	561	6180	4	mg/Kg	☼	207	75 - 125
Calcium	6500	B	561	7930	4	mg/Kg	☼	257	75 - 125
Manganese	460	B	28.0	564	4	mg/Kg	☼	366	75 - 125
Nickel	15		28.0	44.2		mg/Kg	☼	105	75 - 125
Selenium	0.43	J F1	5.61	4.13	F1	mg/Kg	☼	66	75 - 125
Silver	<0.29		2.80	2.12		mg/Kg	☼	76	75 - 125
Thallium	<0.58		5.61	4.41		mg/Kg	☼	79	75 - 125
Vanadium	21		28.0	48.2		mg/Kg	☼	97	75 - 125
Zinc	60		28.0	91.3		mg/Kg	☼	113	75 - 125
Potassium	780		561	1470		mg/Kg	☼	122	75 - 125
Sodium	1900	F1	561	2360		mg/Kg	☼	81	75 - 125

Lab Sample ID: 500-115838-1 MSD
Matrix: Solid
Analysis Batch: 348815

Client Sample ID: 2282V-8-B01 (0-5)
Prep Type: Total/NA
Prep Batch: 348538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<1.2	F1	27.5	5.95	F1	mg/Kg	☼	22	75 - 125	0	20
Arsenic	5.6		5.50	9.94		mg/Kg	☼	80	75 - 125	5	20
Barium	70		110	156		mg/Kg	☼	78	75 - 125	5	20
Beryllium	0.47		2.75	2.69		mg/Kg	☼	81	75 - 125	2	20
Cadmium	0.42		2.75	2.53		mg/Kg	☼	76	75 - 125	3	20
Chromium	12		11.0	19.9		mg/Kg	☼	75	75 - 125	4	20
Cobalt	7.8		27.5	34.5		mg/Kg	☼	97	75 - 125	6	20
Copper	12		13.8	22.7		mg/Kg	☼	81	75 - 125	1	20
Iron	14000	B	55.0	14200	4	mg/Kg	☼	245	75 - 125	6	20
Lead	44		5.50	43.4	4	mg/Kg	☼	-17	75 - 125	9	20
Magnesium	5000	B	550	6530	4	mg/Kg	☼	275	75 - 125	6	20
Calcium	6500	B	550	9090	4	mg/Kg	☼	473	75 - 125	14	20
Manganese	460	B	27.5	509	4	mg/Kg	☼	176	75 - 125	10	20
Nickel	15		27.5	42.2		mg/Kg	☼	100	75 - 125	5	20
Selenium	0.43	J F1	5.50	3.82	F1	mg/Kg	☼	62	75 - 125	8	20
Silver	<0.29		2.75	2.09		mg/Kg	☼	76	75 - 125	1	20
Thallium	<0.58		5.50	4.35		mg/Kg	☼	79	75 - 125	1	20
Vanadium	21		27.5	45.0		mg/Kg	☼	87	75 - 125	7	20
Zinc	60		27.5	88.7		mg/Kg	☼	106	75 - 125	3	20
Potassium	780		550	1350		mg/Kg	☼	104	75 - 125	8	20
Sodium	1900	F1	550	2250	F1	mg/Kg	☼	63	75 - 125	5	20

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

Lab Sample ID: 500-115838-1 DU
Matrix: Solid
Analysis Batch: 348815

Client Sample ID: 2282V-8-B01 (0-5)
Prep Type: Total/NA
Prep Batch: 348538

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<1.2	F1	<1.1		mg/Kg	☼	NC	20
Arsenic	5.6		5.70		mg/Kg	☼	2	20
Barium	70		74.2		mg/Kg	☼	6	20
Beryllium	0.47		0.466		mg/Kg	☼	0.6	20
Cadmium	0.42		0.496		mg/Kg	☼	16	20
Chromium	12		11.3		mg/Kg	☼	3	20
Cobalt	7.8		7.30		mg/Kg	☼	7	20
Copper	12		11.3		mg/Kg	☼	3	20
Iron	14000	B	14100		mg/Kg	☼	0.6	20
Lead	44		43.2		mg/Kg	☼	3	20
Magnesium	5000	B	3860	F3	mg/Kg	☼	26	20
Calcium	6500	B	4400	F3	mg/Kg	☼	38	20
Manganese	460	B	474		mg/Kg	☼	3	20
Nickel	15		15.0		mg/Kg	☼	2	20
Selenium	0.43	J F1	<0.56		mg/Kg	☼	NC	20
Silver	<0.29		<0.28		mg/Kg	☼	NC	20
Thallium	<0.58		<0.56		mg/Kg	☼	NC	20
Vanadium	21		20.4		mg/Kg	☼	3	20
Zinc	60		63.9		mg/Kg	☼	7	20
Potassium	780		772		mg/Kg	☼	1	20
Sodium	1900	F1	1960		mg/Kg	☼	3	20

Lab Sample ID: LCS 500-348918/2-A
Matrix: Solid
Analysis Batch: 349168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348918

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0500	0.0510	^	mg/L		102	80 - 120
Manganese	0.500	0.521		mg/L		104	80 - 120

Lab Sample ID: LCS 500-349090/2-A
Matrix: Solid
Analysis Batch: 349301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 349090

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.0985		mg/L		98	80 - 120
Barium	0.500	0.529		mg/L		106	80 - 120
Beryllium	0.0500	0.0514		mg/L		103	80 - 120
Cadmium	0.0500	0.0496		mg/L		99	80 - 120
Chromium	0.200	0.213		mg/L		106	80 - 120
Cobalt	0.500	0.523		mg/L		105	80 - 120
Copper	0.250	0.271		mg/L		108	80 - 120
Iron	1.00	1.10		mg/L		110	80 - 120
Lead	0.100	0.0966		mg/L		97	80 - 120
Magnesium	10.0	9.93		mg/L		99	80 - 120
Calcium	10.0	9.94		mg/L		99	80 - 120
Manganese	0.500	0.511		mg/L		102	80 - 120
Nickel	0.500	0.495		mg/L		99	80 - 120

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

Lab Sample ID: LCS 500-349090/2-A
Matrix: Solid
Analysis Batch: 349301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 349090

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	0.100	0.0945		mg/L		95	80 - 120
Silver	0.0500	0.0474		mg/L		95	80 - 120
Vanadium	0.500	0.506		mg/L		101	80 - 120
Zinc	0.500	0.507		mg/L		101	80 - 120
Potassium	10.0	11.2		mg/L		112	80 - 120

Lab Sample ID: LB 500-348899/1-C
Matrix: Solid
Analysis Batch: 349301

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 349090

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/24/16 15:15	08/25/16 13:30	1
Barium	<0.50		0.50	0.050	mg/L		08/24/16 15:15	08/25/16 13:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/24/16 15:15	08/25/16 13:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/24/16 15:15	08/25/16 13:30	1
Chromium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:30	1
Cobalt	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:30	1
Copper	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:30	1
Iron	<0.40		0.40	0.20	mg/L		08/24/16 15:15	08/25/16 13:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/24/16 15:15	08/25/16 13:30	1
Magnesium	<2.5		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:30	1
Calcium	<5.0		5.0	0.50	mg/L		08/24/16 15:15	08/25/16 13:30	1
Manganese	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:30	1
Nickel	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:30	1
Selenium	<0.050		0.050	0.020	mg/L		08/24/16 15:15	08/25/16 13:30	1
Silver	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:30	1
Vanadium	<0.025		0.025	0.010	mg/L		08/24/16 15:15	08/25/16 13:30	1
Zinc	<0.50		0.50	0.020	mg/L		08/24/16 15:15	08/25/16 13:30	1
Potassium	<2.5		2.5	0.50	mg/L		08/24/16 15:15	08/25/16 13:30	1

Lab Sample ID: 500-115838-14 MS
Matrix: Solid
Analysis Batch: 349284

Client Sample ID: 2282V-8-B04 (10-13)
Prep Type: TCLP
Prep Batch: 349090

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.050		0.100	0.110		mg/L		110	50 - 150
Barium	0.24	J	0.500	0.799		mg/L		112	50 - 150
Beryllium	<0.0040		0.0500	0.0524		mg/L		105	50 - 150
Cadmium	<0.0050		0.0500	0.0491		mg/L		98	50 - 150
Chromium	<0.025		0.200	0.199		mg/L		99	50 - 150
Cobalt	<0.025		0.500	0.496		mg/L		99	50 - 150
Copper	<0.025		0.250	0.290		mg/L		116	50 - 150
Iron	<0.40		1.00	0.929		mg/L		93	50 - 150
Lead	<0.0075		0.100	0.0968		mg/L		97	50 - 150
Magnesium	150		10.0	186	4	mg/L		358	50 - 150
Calcium	280		10.0	341	4	mg/L		566	50 - 150
Manganese	0.94		0.500	1.60		mg/L		133	50 - 150
Nickel	0.011	J	0.500	0.489		mg/L		95	50 - 150
Selenium	<0.050		0.100	0.111		mg/L		111	50 - 150

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

Lab Sample ID: 500-115838-14 MS
Matrix: Solid
Analysis Batch: 349284

Client Sample ID: 2282V-8-B04 (10-13)
Prep Type: TCLP
Prep Batch: 349090

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	<0.025		0.0500	0.0577		mg/L		115	50 - 150
Vanadium	<0.025		0.500	0.529		mg/L		106	50 - 150
Zinc	<0.50		0.500	0.498	J	mg/L		100	50 - 150
Potassium	2.5	F1	10.0	24.1	F1	mg/L		216	50 - 150

Lab Sample ID: 500-115838-14 DU
Matrix: Solid
Analysis Batch: 349284

Client Sample ID: 2282V-8-B04 (10-13)
Prep Type: TCLP
Prep Batch: 349090

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.050		<0.050		mg/L		NC	20
Barium	0.24	J	0.249	J	mg/L		4	20
Beryllium	<0.0040		<0.0040		mg/L		NC	20
Cadmium	<0.0050		<0.0050		mg/L		NC	20
Chromium	<0.025		<0.025		mg/L		NC	20
Cobalt	<0.025		<0.025		mg/L		NC	20
Copper	<0.025		<0.025		mg/L		NC	20
Iron	<0.40		<0.40		mg/L		NC	20
Lead	<0.0075		<0.0075		mg/L		NC	20
Magnesium	150		160		mg/L		7	20
Calcium	280		303		mg/L		6	20
Manganese	0.94		0.997		mg/L		6	20
Nickel	0.011	J	0.0123	J	mg/L		8	20
Selenium	<0.050		<0.050		mg/L		NC	20
Silver	<0.025		<0.025		mg/L		NC	20
Vanadium	<0.025		<0.025		mg/L		NC	20
Zinc	<0.50		<0.50		mg/L		NC	20
Potassium	2.5	F1	2.60		mg/L		5	20

Lab Sample ID: LB 500-348751/1-B
Matrix: Solid
Analysis Batch: 349168

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 348918

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		08/23/16 14:05	08/25/16 00:46	1
Manganese	<0.025		0.025	0.010	mg/L		08/23/16 14:05	08/25/16 00:46	1

Lab Sample ID: 500-115838-14 MS
Matrix: Solid
Analysis Batch: 349168

Client Sample ID: 2282V-8-B04 (10-13)
Prep Type: SPLP East
Prep Batch: 348918

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.015	J	0.500	0.540		mg/L		105	50 - 150

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

Lab Sample ID: 500-115838-14 DU
Matrix: Solid
Analysis Batch: 349168

Client Sample ID: 2282V-8-B04 (10-13)
Prep Type: SPLP East
Prep Batch: 348918

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Manganese	0.015	J	0.0151	J	mg/L		2	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: LCS 500-349090/2-A
Matrix: Solid
Analysis Batch: 349272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 349090

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.448		mg/L		90	80 - 120
Thallium	0.100	0.101		mg/L		101	80 - 120

Lab Sample ID: LB 500-348899/1-C
Matrix: Solid
Analysis Batch: 349272

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 349090

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/24/16 15:15	08/25/16 11:20	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/24/16 15:15	08/25/16 11:20	1

Lab Sample ID: 500-115838-14 MS
Matrix: Solid
Analysis Batch: 349272

Client Sample ID: 2282V-8-B04 (10-13)
Prep Type: TCLP
Prep Batch: 349090

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0060		0.500	0.452		mg/L		90	50 - 150
Thallium	<0.0020		0.100	0.101		mg/L		101	50 - 150

Lab Sample ID: 500-115838-14 DU
Matrix: Solid
Analysis Batch: 349272

Client Sample ID: 2282V-8-B04 (10-13)
Prep Type: TCLP
Prep Batch: 349090

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0060		<0.0060		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 500-349072/12-A
Matrix: Solid
Analysis Batch: 349225

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 349072

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:31	1

Method: 7470A - TCLP Mercury (Continued)

Lab Sample ID: LCS 500-349072/13-A
Matrix: Solid
Analysis Batch: 349225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 349072

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00200	0.00175		mg/L		88	80 - 120		

Lab Sample ID: LB 500-348899/1-B
Matrix: Solid
Analysis Batch: 349225

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 349072

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/24/16 12:30	08/25/16 09:34	1

Lab Sample ID: 500-115838-1 MS
Matrix: Solid
Analysis Batch: 349225

Client Sample ID: 2282V-8-B01 (0-5)
Prep Type: TCLP
Prep Batch: 349072

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.00020		0.00100	0.000936		mg/L		94	50 - 150		

Lab Sample ID: 500-115838-1 DU
Matrix: Solid
Analysis Batch: 349225

Client Sample ID: 2282V-8-B01 (0-5)
Prep Type: TCLP
Prep Batch: 349072

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	<0.00020			<0.00020		mg/L				NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-348632/12-A
Matrix: Solid
Analysis Batch: 348753

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0088	mg/Kg		08/21/16 15:00	08/22/16 12:09	1

Lab Sample ID: LCS 500-348632/13-A
Matrix: Solid
Analysis Batch: 348753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348632

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.167	0.153		mg/Kg		92	80 - 120		

Method: 9014 - Cyanide

Lab Sample ID: MB 500-349042/1-A
Matrix: Solid
Analysis Batch: 349204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 349042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.50		0.50	0.17	mg/Kg		08/24/16 12:15	08/24/16 17:46	1

Method: 9014 - Cyanide (Continued)

Lab Sample ID: LCS 500-349042/2-A
Matrix: Solid
Analysis Batch: 349204

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 349042

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	5.00	4.64		mg/Kg		93	80 - 120

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B01 (0-5)
Date Collected: 08/17/16 11:00
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 00:59	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349301	08/25/16 13:42	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 11:27	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 09:36	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 15:44		
					(End)	08/24/16 15:46		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B01 (0-5)
Date Collected: 08/17/16 11:00
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-1
Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348225	08/18/16 14:41	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	350350	09/02/16 19:35	PMF	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 20:37	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 12:12	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:47		
					(End)	08/24/16 17:48		

Client Sample ID: 2282V-8-B01 (0-5) Dup
Date Collected: 08/17/16 11:10
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 01:06	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI

Client Sample ID: 2282V-8-B01 (0-5) Dup

Lab Sample ID: 500-115838-2

Date Collected: 08/17/16 11:10
Matrix: Solid
Date Received: 08/17/16 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349301	08/25/16 13:47	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 11:30	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 09:44	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 15:46		
					(End)	08/24/16 15:48		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B01 (0-5) Dup

Lab Sample ID: 500-115838-2

Date Collected: 08/17/16 11:10
Matrix: Solid
Date Received: 08/17/16 17:10
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348225	08/18/16 15:06	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	350350	09/02/16 20:02	PMF	TAL CHI
Total/NA	Prep	3541	DL		348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D	DL	5	349052	08/24/16 15:49	PMF	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 21:02	PJ1	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		10	349005	08/23/16 12:41	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 12:14	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:48		
					(End)	08/24/16 17:48		

Client Sample ID: 2282V-8-B01 (5-10)

Lab Sample ID: 500-115838-3

Date Collected: 08/17/16 11:20
Matrix: Solid
Date Received: 08/17/16 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 01:13	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI

Client Sample ID: 2282V-8-B01 (5-10)

Lab Sample ID: 500-115838-3

Date Collected: 08/17/16 11:20

Matrix: Solid

Date Received: 08/17/16 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349301	08/25/16 13:51	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 11:33	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 09:45	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 15:48		
					(End)	08/24/16 15:50		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B01 (5-10)

Lab Sample ID: 500-115838-3

Date Collected: 08/17/16 11:20

Matrix: Solid

Date Received: 08/17/16 17:10

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348225	08/18/16 15:31	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	348954	08/23/16 21:58	GES	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 21:07	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 12:15	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:48		
					(End)	08/24/16 17:49		

Client Sample ID: 2282V-8-B01 (10-13)

Lab Sample ID: 500-115838-4

Date Collected: 08/17/16 11:30

Matrix: Solid

Date Received: 08/17/16 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 01:19	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349301	08/25/16 13:56	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI

Client Sample ID: 2282V-8-B01 (10-13)

Date Collected: 08/17/16 11:30
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Analysis	6020A		1	349272	08/25/16 11:37	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 09:47	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 15:50		
					(End)	08/24/16 15:52		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B01 (10-13)

Date Collected: 08/17/16 11:30
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-4
Matrix: Solid
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348225	08/18/16 15:57	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	348954	08/24/16 00:59	GES	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 21:12	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 12:17	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:49		
					(End)	08/24/16 17:49		

Client Sample ID: 2282V-8-B02 (0-5)

Date Collected: 08/17/16 10:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 01:26	PJ1	TAL CHI
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349429	08/26/16 12:03	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349301	08/25/16 14:02	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 11:40	FXG	TAL CHI

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B02 (0-5)

Date Collected: 08/17/16 10:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 09:48	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 15:52		
					(End)	08/24/16 15:54		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B02 (0-5)

Date Collected: 08/17/16 10:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-5

Matrix: Solid
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348225	08/18/16 16:22	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	348954	08/24/16 03:59	GES	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 21:17	PJ1	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		10	349005	08/23/16 12:45	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 12:18	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:49		
					(End)	08/24/16 17:50		

Client Sample ID: 2282V-8-B02 (5-10)

Date Collected: 08/17/16 10:30
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 01:33	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349301	08/25/16 14:07	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 11:44	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI

Client Sample ID: 2282V-8-B02 (5-10)

Lab Sample ID: 500-115838-6
Date Collected: 08/17/16 10:30
Matrix: Solid
Date Received: 08/17/16 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Analysis	7470A		1	349225	08/25/16 09:49	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 15:54		
					(End)	08/24/16 15:56		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B02 (5-10)

Lab Sample ID: 500-115838-6
Date Collected: 08/17/16 10:30
Matrix: Solid
Date Received: 08/17/16 17:10
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348225	08/18/16 16:47	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	348954	08/24/16 04:25	GES	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 21:34	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 12:20	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:50		
					(End)	08/24/16 17:50		

Client Sample ID: 2282V-8-B02 (10-13)

Lab Sample ID: 500-115838-7
Date Collected: 08/17/16 10:40
Matrix: Solid
Date Received: 08/17/16 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 01:40	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349301	08/25/16 14:12	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 11:47	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 09:51	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 15:56		
					(End)	08/24/16 15:59		

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B02 (10-13)

Lab Sample ID: 500-115838-7
Matrix: Solid
Date Collected: 08/17/16 10:40
Date Received: 08/17/16 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B02 (10-13)

Lab Sample ID: 500-115838-7
Matrix: Solid
Date Collected: 08/17/16 10:40
Date Received: 08/17/16 17:10
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348225	08/18/16 17:13	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	349052	08/24/16 16:43	PMF	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 21:39	PJ1	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		10	349005	08/23/16 12:50	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 12:21	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:51		
					(End)	08/24/16 17:52		

Client Sample ID: 2282V-8-B03 (0-5)

Lab Sample ID: 500-115838-8
Matrix: Solid
Date Collected: 08/17/16 09:45
Date Received: 08/17/16 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 01:47	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349301	08/25/16 14:16	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 11:50	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 09:52	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 15:59		
					(End)	08/24/16 16:01		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B03 (0-5)

Date Collected: 08/17/16 09:45
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-8

Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348225	08/18/16 17:38	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	349052	08/24/16 22:06	PMF	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 21:45	PJ1	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		10	349005	08/23/16 12:54	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 12:23	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:52		
					(End)	08/24/16 17:52		

Client Sample ID: 2282V-8-B03 (5-10)

Date Collected: 08/17/16 09:55
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349284	08/25/16 13:22	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 12:04	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 09:54	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 16:01		
					(End)	08/24/16 16:03		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B03 (5-10)

Date Collected: 08/17/16 09:55
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-9

Matrix: Solid
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348225	08/18/16 18:04	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	348954	08/23/16 22:24	GES	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B03 (5-10)

Lab Sample ID: 500-115838-9
Date Collected: 08/17/16 09:55
Matrix: Solid
Date Received: 08/17/16 17:10
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1	348815	08/22/16 21:50	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 13:10	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:52		
					(End)	08/24/16 17:53		

Client Sample ID: 2282V-8-B03 (10-13)

Lab Sample ID: 500-115838-10
Date Collected: 08/17/16 10:05
Matrix: Solid
Date Received: 08/17/16 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 02:16	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349284	08/25/16 13:29	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 12:08	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 09:55	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 16:03		
					(End)	08/24/16 16:05		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B03 (10-13)

Lab Sample ID: 500-115838-10
Date Collected: 08/17/16 10:05
Matrix: Solid
Date Received: 08/17/16 17:10
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348225	08/18/16 18:29	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	349052	08/24/16 22:33	PMF	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 21:54	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 13:12	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI

Client Sample ID: 2282V-8-B03 (10-13)

Lab Sample ID: 500-115838-10
Date Collected: 08/17/16 10:05
Matrix: Solid
Date Received: 08/17/16 17:10
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:53		
					(End)	08/24/16 17:53		

Client Sample ID: 2282V-8-B04 (0-5)

Lab Sample ID: 500-115838-11
Date Collected: 08/17/16 08:50
Matrix: Solid
Date Received: 08/17/16 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 02:23	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349284	08/25/16 13:36	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 12:11	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 09:57	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 16:05		
					(End)	08/24/16 16:07		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B04 (0-5)

Lab Sample ID: 500-115838-11
Date Collected: 08/17/16 08:50
Matrix: Solid
Date Received: 08/17/16 17:10
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348225	08/18/16 18:54	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	349052	08/24/16 23:00	PMF	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 21:59	PJ1	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		10	349005	08/23/16 12:58	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 13:13	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B04 (0-5)

Lab Sample ID: 500-115838-11
Date Collected: 08/17/16 08:50
Matrix: Solid
Date Received: 08/17/16 17:10
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:53		
					(End)	08/24/16 17:54		

Client Sample ID: 2282V-8-B04 (5-10)

Lab Sample ID: 500-115838-12
Date Collected: 08/17/16 09:00
Matrix: Solid
Date Received: 08/17/16 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 02:29	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349284	08/25/16 13:43	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 12:15	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 10:01	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 16:07		
					(End)	08/24/16 16:09		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B04 (5-10)

Lab Sample ID: 500-115838-12
Date Collected: 08/17/16 09:00
Matrix: Solid
Date Received: 08/17/16 17:10
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348444	08/19/16 11:58	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	348954	08/24/16 01:24	GES	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 22:17	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 13:15	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:54		
					(End)	08/24/16 17:54		

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B04 (5-10) Dup

Date Collected: 08/17/16 09:10
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349284	08/25/16 13:49	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 12:18	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 10:03	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 16:09		
					(End)	08/24/16 16:11		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B04 (5-10) Dup

Date Collected: 08/17/16 09:10
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-13

Matrix: Solid
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348444	08/19/16 11:07	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	348954	08/23/16 22:50	GES	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 22:21	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 13:16	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:54		
					(End)	08/24/16 17:55		

Client Sample ID: 2282V-8-B04 (10-13)

Date Collected: 08/17/16 09:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			348751	08/22/16 11:15	DDC	TAL CHI
SPLP East	Prep	3010A			348918	08/23/16 14:05	JNH	TAL CHI
SPLP East	Analysis	6010B		1	349168	08/25/16 02:43	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6010B		1	349284	08/25/16 13:56	PJ1	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

Client Sample ID: 2282V-8-B04 (10-13)

Date Collected: 08/17/16 09:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3010A			349090	08/24/16 15:15	JNH	TAL CHI
TCLP	Analysis	6020A		1	349272	08/25/16 12:22	FXG	TAL CHI
TCLP	Leach	1311			348899	08/23/16 11:10	RMP	TAL CHI
TCLP	Prep	7470A			349072	08/24/16 12:30	MJD	TAL CHI
TCLP	Analysis	7470A		1	349225	08/25/16 10:04	MJD	TAL CHI
Total/NA	Analysis	9045D		1	349221		SMO	TAL CHI
					(Start)	08/24/16 16:11		
					(End)	08/24/16 16:13		
Total/NA	Analysis	Moisture		1	348335	08/18/16 14:41	LWN	TAL CHI

Client Sample ID: 2282V-8-B04 (10-13)

Date Collected: 08/17/16 09:20
Date Received: 08/17/16 17:10

Lab Sample ID: 500-115838-14

Matrix: Solid
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			348216	08/17/16 18:05	WRE	TAL CHI
Total/NA	Analysis	8260B		1	348444	08/19/16 20:02	BDW	TAL CHI
Total/NA	Prep	3541			348843	08/23/16 07:35	STW	TAL CHI
Total/NA	Analysis	8270D		1	349052	08/24/16 13:09	PMF	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		1	348815	08/22/16 22:25	PJ1	TAL CHI
Total/NA	Prep	3050B			348538	08/19/16 14:37	JNH	TAL CHI
Total/NA	Analysis	6010B		10	349005	08/23/16 13:02	PJ1	TAL CHI
Total/NA	Prep	7471B			348632	08/21/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7471B		1	348753	08/22/16 13:18	MJD	TAL CHI
Total/NA	Prep	9010B			349042	08/24/16 12:15	VIP	TAL CHI
Total/NA	Analysis	9014		1	349204		VIP	TAL CHI
					(Start)	08/24/16 17:55		
					(End)	08/24/16 17:55		

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115838-1

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	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: Matt Weiss
Company: Terracon
Address: 135 Ambassador Dr.
Address: Naperville, IL 60540
Phone: 630-445-0160
Fax:
E-Mail: matt.weiss@terracon.com

(optional)

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

Chain of Custody Record

Lab Job #: 500-115838
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.2, 1.7

Client: IDOT
Client Project #: 11167058F
Project Name: Work Order 21
Project Location/State: Carpentersville
Lab Project #:
Sampler: Ryan T. Peterson
Lab PM:

Preservative Key
1. HCl, Cool to 4°

500-115838 COC

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL 23 Inorganics	TCLP 23 Inorganics	SPLP 23 Inorganics	pH				Comments
1		2282V-8-B01 (0-5)	8/17	1100	6	S		X	X	X	6	X	X				
2		2282V-8-B01 Dup (0-5)	8/17	1110	6	S		X	X	X	X	X	X				
3		2282V-8-B01 (5-10)	8/17	1120	6	S		X	X	X	X	X	X				
4		2282V-8-B01 (10-13)	8/17	1130	6	S		X	X	X	—	X	X				
5		2282V-8-B02 (0-5)	8/17	1020	6	S		X	X	X	X	X	X				
6		2282V-8-B02 (5-10)	8/17	1030	6	S		X	X	X	X	X	X				
7		2282V-8-B02 (10-13)	8/17	1040	6	S		X	X	X	X	X	X				
8		2282V-8-B03 (0-5)	8/17	945	6	S		X	X	X	X	X	X				
9		2282V-8-B03 (5-10)	8/17	955	6	S		X	X	X	X	X	X				
10		2282V-8-B03 (10-13)	8/17	1005	6	S		X	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)

	Company	Date	Time
Relinquished By	Terracon	8/17	3:32
Relinquished By	TA	8/17/16	1710
Relinquished By			

	Company	Date	Time
Received By	TA	8/17/16	1552
Received By	TA-WH	08/17/16	17:10
Received By			

Lab Courier: TT
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
Place SPLP Analysis on hold pending Terracon Approval

Lab Comments:

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: Matt Weiss
Company: Terracon
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-115838

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler: 3.2/1.7

Client: IDOT
Client Project #: 11167058F
Project Name: Work Order 21
Project Location/State: Carpentersville
Lab Project #:
Sampler: Ryan J. Peterson
Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL 23 Inorganics	TCLP23 Inorganics	SPLP23 Inorganics	pH				Comments
11		2282V-8-B04 (0-5)	8/17	850	6	S		x	x	x	x	x	x				
12		2282V-8-B04 (5-10)	8/17	900	6	S		x	x	x	x	x	x				
13		2282V-8-B04 DUP (5-10)	8/17	910	6	S		x	x	x	x	x	x				
14		2282V-8-B04 (10-13)	8/17	920	6	S		x	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
	Terracon	8/17	3152		TA	8/17/16	1552
	TA	8/17/16	1710		TA-LHE	08/17/16	17:10

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: Place SPLP Analyses on hold pending Terracon Approval

Lab Comments:

TAL-4124-500 (1209)

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-115838-1

Login Number: 115838
List Number: 1
Creator: Sanchez, Ariel M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7,3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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: 500-115818-2
Client Project/Site: IDOT - Carpentersville - WO 21
Revision: 1

For:
Terracon Consulting Eng & Scientists
135 Ambassador Drive
Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

Authorized for release by:
9/8/2016 4:29:09 PM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

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Job ID: 500-115818-2

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-115818-2

Report Revision
Laboratory sample -9 was reanalyzed and reported for semivolatiles at a 1x dilution.

Receipt
The samples were received on 8/17/2016 11:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.7º C and 3.2º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) for 348242 recovered outside control limits for the following analytes: 1,1,2,2-Tetrachloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 625, 8270D: The following sample was diluted due to the abundance of non-target analytes: 2282V-8-B05 (0-5) (500-115818-9). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: One base surrogate and/or one acid surrogate failed to meet control limits for the following samples: 2282V-8-B05 (0-5) (500-115818-9), 2282V-8-B05 (10-13) (500-115818-11), 2282V-8-B06 (0-5) (500-115818-12), 2282V-8-B06 (5-10) (500-115818-13), 2282V-8-B08 (0-5) (500-115818-18) and 2282V-8-B08 (10-13) (500-115818-20). Our SOP allows for one acid and/or one base surrogate to fail control limits in each sample. The data has been reported.

Method(s) 8270D: This sample was originally reported at a 5x dilution, but due to the client's reporting limits, the samples were run at a 1x and reported.2282V-8-B05 (0-5) (500-115818-9)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010B: The continuing calibration verification (CCV) at line 44 was outside the control limits for Zinc bracketing the method blank (MB). The MB was within the method control limits. The associated samples 2282V-8-B06 (5-10) (500-115818-13), 2282V-8-B07 (0-5) (500-115818-15) and 2282V-8-B07 (5-10) (500-115818-16) was bracketed with continuing calibration verifications that were within control limits, therefore the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-2

Client Sample ID: 2282V-8-B05 (0-5) — Lab Sample ID: 500-115818-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.0063	J	0.035	0.0047	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.011	J	0.035	0.0059	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.070		0.035	0.0048	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.36		0.035	0.0069	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.34		0.035	0.0077	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.61		0.035	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.11		0.035	0.010	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.14		0.035	0.0097	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.086		0.035	0.0069	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.12		0.035	0.0066	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.34		0.035	0.0092	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.041		0.035	0.0050	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.25		0.035	0.0071	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.35	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.2		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	24		0.54	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.22		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14	B	0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	5.8		0.54	0.094	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.3		0.27	0.061	mg/Kg	1	☼	6010B	Total/NA
Copper	8.2		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	6600		11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	7.1		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	47000	B	5.4	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	93000	B	54	18	mg/Kg	5	☼	6010B	Total/NA
Manganese	280	B	0.54	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	9.5		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.45	J	0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.27	0.079	mg/Kg	1	☼	6010B	Total/NA
Zinc	26		5.4	1.7	mg/Kg	5	☼	6010B	Total/NA
Potassium	490		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	650		54	7.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.35	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	320		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.098		0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	130		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.1		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.8	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.11	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.1	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.020		0.018	0.0095	mg/Kg	1	☼	7471B	Total/NA
pH	9.1		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B05 (5-10) — Lab Sample ID: 500-115818-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.014	J	0.034	0.0047	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.028	J	0.034	0.0067	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.050		0.034	0.0075	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.026	J	0.034	0.011	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B05 (5-10) (Continued)

Lab Sample ID: 500-115818-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	0.017	J	0.034	0.010	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.023	J	0.034	0.0094	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.039		0.034	0.0064	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.030	J	0.034	0.0090	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.020	J	0.034	0.0048	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.044		0.034	0.0069	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.51	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.4		0.53	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	28		0.53	0.098	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.20	J	0.21	0.046	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.19	B	0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.0		0.53	0.092	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.3		0.27	0.060	mg/Kg	1	☼	6010B	Total/NA
Copper	9.5		0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	11000		11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	5.7		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	44000	B	5.3	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	89000	B	53	17	mg/Kg	5	☼	6010B	Total/NA
Manganese	430	B	0.53	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	10		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.27	0.078	mg/Kg	1	☼	6010B	Total/NA
Zinc	25		5.3	1.7	mg/Kg	5	☼	6010B	Total/NA
Potassium	530		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	330		53	7.0	mg/Kg	1	☼	6010B	Total/NA
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	330		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.18		0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	180		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.022	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.8	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.11	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.46	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.012	J	0.016	0.0085	mg/Kg	1	☼	7471B	Total/NA
pH	9.0		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B05 (10-13)

Lab Sample ID: 500-115818-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.0070	J	0.034	0.0057	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.046		0.034	0.0046	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.091		0.034	0.0066	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.13		0.034	0.0074	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.12		0.034	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.046		0.034	0.010	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.072		0.034	0.0093	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.084		0.034	0.0063	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.10		0.034	0.0089	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.048		0.034	0.0048	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.21		0.034	0.0068	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B05 (10-13) (Continued) — Lab Sample ID: 500-115818-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.26	J	1.0	0.21	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.3		0.51	0.24	mg/Kg	1	☼	6010B	Total/NA
Barium	26		0.51	0.094	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.15	J	0.21	0.044	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14	B	0.10	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.9		0.51	0.088	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.8		0.26	0.058	mg/Kg	1	☼	6010B	Total/NA
Copper	30		0.51	0.11	mg/Kg	1	☼	6010B	Total/NA
Iron	8900		10	4.0	mg/Kg	1	☼	6010B	Total/NA
Lead	4.0		0.26	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	33000	B	5.1	2.1	mg/Kg	1	☼	6010B	Total/NA
Calcium	64000	B	51	17	mg/Kg	5	☼	6010B	Total/NA
Manganese	240	B	0.51	0.10	mg/Kg	1	☼	6010B	Total/NA
Nickel	16		0.51	0.14	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.26	0.075	mg/Kg	1	☼	6010B	Total/NA
Zinc	20		5.1	1.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	710		26	4.2	mg/Kg	1	☼	6010B	Total/NA
Sodium	470		51	6.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.22	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	280		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	160		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.7		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.024	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.6	B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.039	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.074	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.0095	J	0.016	0.0086	mg/Kg	1	☼	7471B	Total/NA
pH	9.1		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B06 (0-5) — Lab Sample ID: 500-115818-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.010	J	0.036	0.0066	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.025	J	0.036	0.0061	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.19		0.036	0.0049	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.39		0.036	0.0071	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.54		0.036	0.0079	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.48		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.17		0.036	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.26		0.036	0.010	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.11		0.036	0.0071	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.35		0.036	0.0068	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.013	J	0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.39		0.036	0.0095	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.25		0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.87		0.036	0.0073	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.33	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	11		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B06 (0-5) (Continued)

Lab Sample ID: 500-115818-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	32		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.23		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18	B	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.1		0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.1		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	15		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	14000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	21		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	15000	B	5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	22000	B	11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	320	B	0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	16		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	33		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	570		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	710		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.38	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	320		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	170		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.5		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.030		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.2	B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.039	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.3	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.015	J	0.019	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	9.2		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B06 (5-10)

Lab Sample ID: 500-115818-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.35	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.7		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	39		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.28		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.23	B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.7		0.56	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.4		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	11		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	8800		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	6.7		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	8900	B	5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	13000	B	11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	370	B	0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	16		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.28	J	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	36		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	680		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	230		56	7.4	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B06 (5-10) (Continued) — Lab Sample ID: 500-115818-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.25	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	250		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	140		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.28		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.3	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.020	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.60	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.023		0.018	0.0094	mg/Kg	1	☼	7471B	Total/NA
pH	8.3		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B06 (10-13) — Lab Sample ID: 500-115818-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0057	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.021	J	0.037	0.0079	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.013	J	0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.013	J	0.037	0.0095	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.012	J	0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.43	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.6		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	32		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.28		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.22	B	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.5		0.55	0.094	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.2		0.27	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	12		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	11000		11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	29000	B	5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	57000	B	55	18	mg/Kg	5	☼	6010B	Total/NA
Manganese	370	B	0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	15		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.27	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.27	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	33		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	710		27	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	270		55	7.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.29	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0021	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	320		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	180		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.2		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.6	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.032	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.68	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.014	J	0.017	0.0087	mg/Kg	1	☼	7471B	Total/NA
pH	8.9		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B07 (0-5)

Lab Sample ID: 500-115818-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.025	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.051		0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.081		0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.024	J	0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.035	J	0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.035	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.084		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.022	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.052		0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.24	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.2		0.55	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	30		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.24		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.17	B	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.4		0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.1		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	10		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	9500		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	11		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	19000	B	5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	29000	B	11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	360	B	0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	12		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.38	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	39		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	540		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	840		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.37	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0023	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	300		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	160		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.86		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.013	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.8	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.070	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.6	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.013	J	0.019	0.010	mg/Kg	1	☼	7471B	Total/NA
pH	9.0		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B07 (5-10)

Lab Sample ID: 500-115818-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0090	J	0.036	0.0048	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.018	J	0.036	0.0069	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.024	J	0.036	0.0077	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.011	J	0.036	0.0098	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.025	J	0.036	0.0066	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.018	J	0.036	0.0093	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B07 (5-10) (Continued) — Lab Sample ID: 500-115818-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.0091	J	0.036	0.0050	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.020	J	0.036	0.0071	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.36	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.2		0.53	0.24	mg/Kg	1	☼	6010B	Total/NA
Barium	28		0.53	0.097	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.24		0.21	0.046	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.15	B	0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.6		0.53	0.091	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.0		0.26	0.060	mg/Kg	1	☼	6010B	Total/NA
Copper	7.4		0.53	0.11	mg/Kg	1	☼	6010B	Total/NA
Iron	8700		11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	7.3		0.26	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	20000	B	5.3	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	29000	B	11	3.4	mg/Kg	1	☼	6010B	Total/NA
Manganese	220	B	0.53	0.10	mg/Kg	1	☼	6010B	Total/NA
Nickel	12		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.26	0.077	mg/Kg	1	☼	6010B	Total/NA
Zinc	31		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	760		26	4.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	530		53	7.0	mg/Kg	1	☼	6010B	Total/NA
Barium	0.25	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	310		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.023	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	170		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.2		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.5	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.045	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.39	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.014	J	0.017	0.0089	mg/Kg	1	☼	7471B	Total/NA
pH	8.8		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B07 (10-13) — Lab Sample ID: 500-115818-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.010	J	0.036	0.0061	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.057		0.036	0.0049	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.074		0.036	0.0071	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.14		0.036	0.0079	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.040		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.039		0.036	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.077		0.036	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.16		0.036	0.0068	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.052		0.036	0.0095	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.071		0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.14		0.036	0.0073	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.42	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.8		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	25		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.20	J	0.23	0.049	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B07 (10-13) (Continued) — Lab Sample ID: 500-115818-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.22	B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.2		0.56	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.8		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	11		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	9500		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	7.3		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	42000	B	5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	79000	B	56	18	mg/Kg	5	☼	6010B	Total/NA
Manganese	400	B	0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	11		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	29		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	540		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	460		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.26	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	290		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	150		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.89		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.6	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.041	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.35	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.011	J	0.017	0.0089	mg/Kg	1	☼	7471B	Total/NA
pH	9.2		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B08 (0-5) — Lab Sample ID: 500-115818-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.042		0.016	0.0031	mg/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	0.0088		0.0040	0.0014	mg/Kg	1	☼	8260B	Total/NA
Anthracene	0.014	J	0.040	0.0067	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.081		0.040	0.0054	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.11		0.040	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.21		0.040	0.0086	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.13		0.040	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.053		0.040	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.12		0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.14		0.040	0.0074	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.15		0.040	0.010	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.0075	J	0.081	0.0074	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.082		0.040	0.0056	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.31		0.040	0.0080	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.46	J	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.9		0.59	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	28		0.59	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.27		0.24	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.29	B	0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.9		0.59	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.0		0.30	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	12		0.59	0.13	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B08 (0-5) (Continued)

Lab Sample ID: 500-115818-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	8100		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	49		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	45000	B	5.9	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	91000	B	59	19	mg/Kg	5	☼	6010B	Total/NA
Manganese	240	B	0.59	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	9.1		0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.32	J	0.59	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.30	0.086	mg/Kg	1	☼	6010B	Total/NA
Zinc	47		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	620		30	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	750		59	7.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.41	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0045	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	250		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.032		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.44		0.40	0.20	mg/L	1		6010B	TCLP
Lead	0.059		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	4.5		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.20		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.3	B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.32	J	0.50	0.020	mg/L	1		6010B	TCLP
Lead	0.77		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.0	B	0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.095		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.030		0.019	0.0098	mg/Kg	1	☼	7471B	Total/NA
Cyanide, Total	0.18	J	0.55	0.18	mg/Kg	1	☼	9014	Total/NA
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B08 (5-10)

Lab Sample ID: 500-115818-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.1		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	73		0.60	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.42		0.24	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.25		0.12	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	10		0.60	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	7.3		0.30	0.068	mg/Kg	1	☼	6010B	Total/NA
Copper	12		0.60	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	11000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	9.1		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	12000		6.0	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	18000	B	12	3.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	430		0.60	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	19		0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.30	0.088	mg/Kg	1	☼	6010B	Total/NA
Zinc	43		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	830		30	4.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	630	B	60	7.9	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2282V-8-B08 (5-10) (Continued) — Lab Sample ID: 500-115818-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.50		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0025	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	260		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	120		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.33		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.1	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.029	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.69	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.026		0.018	0.0095	mg/Kg	1	☼	7471B	Total/NA
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2282V-8-B08 (10-13) — Lab Sample ID: 500-115818-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.011	J	0.037	0.0062	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.11		0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.24		0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.37		0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.20		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.14		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.17		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.044		0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.24		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0066	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.17		0.037	0.0096	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.11		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.48		0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.43	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.6		0.53	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	45		0.53	0.097	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.39		0.21	0.046	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.1		0.53	0.091	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.9		0.27	0.060	mg/Kg	1	☼	6010B	Total/NA
Copper	15		0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	11000		11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	8.7		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	28000		5.3	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	80000	B	53	17	mg/Kg	5	☼	6010B	Total/NA
Manganese	320		0.53	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	14		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.27	0.078	mg/Kg	1	☼	6010B	Total/NA
Zinc	36		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	900		27	4.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	490	B	53	7.0	mg/Kg	1	☼	6010B	Total/NA
Barium	0.44	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0021	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	500		5.0	0.50	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-2

Client Sample ID: 2282V-8-B08 (10-13) (Continued)

Lab Sample ID: 500-115818-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.013	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	84		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.92		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.8	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.037	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.58	B	0.050	0.010	mg/L	1		6010B	SPLP East
Mercury	0.024		0.017	0.0090	mg/Kg	1	☼	7471B	Total/NA
pH	8.8		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-115818-9	2282V-8-B05 (0-5)	Solid	08/16/16 13:20	08/17/16 11:45
500-115818-10	2282V-8-B05 (5-10)	Solid	08/16/16 13:30	08/17/16 11:45
500-115818-11	2282V-8-B05 (10-13)	Solid	08/16/16 13:40	08/17/16 11:45
500-115818-12	2282V-8-B06 (0-5)	Solid	08/16/16 12:45	08/17/16 11:45
500-115818-13	2282V-8-B06 (5-10)	Solid	08/16/16 12:55	08/17/16 11:45
500-115818-14	2282V-8-B06 (10-13)	Solid	08/16/16 13:05	08/17/16 11:45
500-115818-15	2282V-8-B07 (0-5)	Solid	08/16/16 12:00	08/17/16 11:45
500-115818-16	2282V-8-B07 (5-10)	Solid	08/16/16 12:10	08/17/16 11:45
500-115818-17	2282V-8-B07 (10-13)	Solid	08/16/16 12:20	08/17/16 11:45
500-115818-18	2282V-8-B08 (0-5)	Solid	08/16/16 11:10	08/17/16 11:45
500-115818-19	2282V-8-B08 (5-10)	Solid	08/16/16 11:15	08/17/16 11:45
500-115818-20	2282V-8-B08 (10-13)	Solid	08/16/16 11:20	08/17/16 11:45

Client Sample ID: 2282V-8-B05 (0-5)
Date Collected: 08/16/16 13:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-9
Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0033	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Benzene	<0.0043		0.0043	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Bromodichloromethane	<0.0043		0.0043	0.00073	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Bromoform	<0.0043		0.0043	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Carbon tetrachloride	<0.0043		0.0043	0.00092	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Chloroethane	<0.0043		0.0043	0.0018	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Chloroform	<0.0043		0.0043	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
cis-1,3-Dichloropropene	<0.0035		0.0035	0.00098	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Dibromochloromethane	<0.0043		0.0043	0.00050	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
1,1-Dichloroethane	<0.0043		0.0043	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
1,2-Dichloroethane	<0.0043		0.0043	0.00064	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
1,3-Dichloropropene, Total	<0.0035		0.0035	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Methylene Chloride	<0.0043		0.0043	0.0033	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
1,1,2,2-Tetrachloroethane	<0.0043	*	0.0043	0.00068	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Tetrachloroethene	<0.0043		0.0043	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
trans-1,3-Dichloropropene	<0.0035		0.0035	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Vinyl acetate	<0.0043		0.0043	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1
Xylenes, Total	<0.0086		0.0086	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 120*	*08/17/16 16:52*	*08/18/16 14:02*	*1*
Dibromofluoromethane	*97*		*75 - 120*	*08/17/16 16:52*	*08/18/16 14:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*69 - 134*	*08/17/16 16:52*	*08/18/16 14:02*	*1*
Toluene-d8 (Surr)	*93*		*75 - 123*	*08/17/16 16:52*	*08/18/16 14:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0064	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Acenaphthylene	**0.0063**	**J**	0.035	0.0047	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Anthracene	**0.011**	**J**	0.035	0.0059	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Benzo[a]anthracene	**0.070**		0.035	0.0048	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1

Client Sample ID: 2282V-8-B05 (0-5)
Date Collected: 08/16/16 13:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-9
Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.36**		0.035	0.0069	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Benzo[b]fluoranthene	**0.34**		0.035	0.0077	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Benzo[g,h,i]perylene	**0.61**		0.035	0.011	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Benzo[k]fluoranthene	**0.11**		0.035	0.010	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.053	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Carbazole	<0.18		0.18	0.089	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Chrysene	**0.14**		0.035	0.0097	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Dibenz(a,h)anthracene	**0.086**		0.035	0.0069	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2,4-Dichlorophenol	<0.35		0.35	0.085	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Diethyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2,4-Dimethylphenol	<0.35		0.35	0.14	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
4,6-Dinitro-2-methylphenol	<0.72		0.72	0.29	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2,4-Dinitrophenol	<0.72		0.72	0.63	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Fluoranthene	**0.12**		0.035	0.0066	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Fluorene	<0.035		0.035	0.0050	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Hexachlorobenzene	<0.072		0.072	0.0083	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Hexachlorocyclopentadiene	<0.72		0.72	0.20	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Indeno[1,2,3-cd]pyrene	**0.34**		0.035	0.0092	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2-Methylnaphthalene	<0.072		0.072	0.0065	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
3 & 4 Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Naphthalene	<0.035		0.035	0.0055	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Nitrobenzene	<0.035		0.035	0.0089	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2-Nitrophenol	<0.35		0.35	0.084	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1

Client Sample ID: 2282V-8-B05 (0-5)
Date Collected: 08/16/16 13:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-9
Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
N-Nitrosodi-n-propylamine	<0.072		0.072	0.044	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Pentachlorophenol	<0.72		0.72	0.57	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Phenanthrene	**0.041**		0.035	0.0050	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Phenol	<0.18		0.18	0.079	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
Pyrene	**0.25**		0.035	0.0071	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2,4,5-Trichlorophenol	<0.35		0.35	0.081	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	08/19/16 07:23	09/07/16 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*42 - 115*	*08/19/16 07:23*	*09/07/16 16:34*	*1*
2-Fluorophenol	*95*		*40 - 130*	*08/19/16 07:23*	*09/07/16 16:34*	*1*
Nitrobenzene-d5	*85*		*33 - 124*	*08/19/16 07:23*	*09/07/16 16:34*	*1*
Phenol-d5	*87*		*36 - 123*	*08/19/16 07:23*	*09/07/16 16:34*	*1*
Terphenyl-d14	*175*	*X*	*25 - 150*	*08/19/16 07:23*	*09/07/16 16:34*	*1*
2,4,6-Tribromophenol	*116*		*25 - 130*	*08/19/16 07:23*	*09/07/16 16:34*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.35**	**J**	1.1	0.23	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Arsenic	**3.2**		0.54	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Barium	**24**		0.54	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Beryllium	**0.22**		0.22	0.047	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Cadmium	**0.14**	**B**	0.11	0.031	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Chromium	**5.8**		0.54	0.094	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Cobalt	**3.3**		0.27	0.061	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Copper	**8.2**		0.54	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Iron	**6600**		11	4.2	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Lead	**7.1**		0.27	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Magnesium	**47000**	**B**	5.4	2.2	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Calcium	**93000**	**B**	54	18	mg/Kg	☼	08/18/16 15:05	08/24/16 12:39	5
Manganese	**280**	**B**	0.54	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Nickel	**9.5**		0.54	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Selenium	**0.45**	**J**	0.54	0.27	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Vanadium	**13**		0.27	0.079	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Zinc	**26**		5.4	1.7	mg/Kg	☼	08/18/16 15:05	08/24/16 12:39	5
Potassium	**490**		27	4.4	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1
Sodium	**650**		54	7.2	mg/Kg	☼	08/18/16 15:05	08/23/16 13:46	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 21:35	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 21:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 21:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 21:35	1

Client Sample ID: 2282V-8-B05 (0-5)
Date Collected: 08/16/16 13:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-9
Matrix: Solid
Percent Solids: 88.3

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**320**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 21:35	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:35	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:35	1
Copper	**0.098**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:35	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 21:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 21:35	1
Magnesium	**130**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:35	1
Manganese	**1.1**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:35	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:35	1
Potassium	**1.8**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:35	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 21:35	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:35	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:35	1
Zinc	**0.11**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 21:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.1**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 17:54	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:07	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:07	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**		0.018	0.0095	mg/Kg	☼	08/18/16 13:38	08/19/16 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	08/23/16 11:10	08/23/16 15:51	1
pH	**9.1**		0.2	0.2	SU			08/25/16 13:16	1

Client Sample ID: 2282V-8-B05 (5-10)
Date Collected: 08/16/16 13:30
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-10
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0031	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Benzene	<0.0041		0.0041	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Bromoform	<0.0041		0.0041	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
2-Butanone (MEK)	<0.0041		0.0041	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Carbon tetrachloride	<0.0041		0.0041	0.00087	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Chlorobenzene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Chloroform	<0.0041		0.0041	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Chloromethane	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
cis-1,3-Dichloropropene	<0.0032		0.0032	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
1,1-Dichloroethane	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
1,2-Dichloroethane	<0.0041		0.0041	0.00060	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
1,3-Dichloropropene, Total	<0.0032		0.0032	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Styrene	<0.0041		0.0041	0.00095	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
1,1,2,2-Tetrachloroethane	<0.0041	*	0.0041	0.00064	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Tetrachloroethene	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
trans-1,3-Dichloropropene	<0.0032		0.0032	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Vinyl chloride	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1
Xylenes, Total	<0.0081		0.0081	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 120*	*08/17/16 16:52*	*08/18/16 14:27*	*1*
Dibromofluoromethane	*95*		*75 - 120*	*08/17/16 16:52*	*08/18/16 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*69 - 134*	*08/17/16 16:52*	*08/18/16 14:27*	*1*
Toluene-d8 (Surr)	*94*		*75 - 123*	*08/17/16 16:52*	*08/18/16 14:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.034		0.034	0.0062	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Acenaphthylene	<0.034		0.034	0.0046	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Anthracene	<0.034		0.034	0.0058	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Benzo[a]anthracene	**0.014**	**J**	0.034	0.0047	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1

Client Sample ID: 2282V-8-B05 (5-10)
Date Collected: 08/16/16 13:30
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-10
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
Benzo[a]pyrene	**0.028**	**J**	0.034	0.0067	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Benzo[b]fluoranthene	**0.050**		0.034	0.0075	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Benzo[g,h,i]perylene	**0.026**	**J**	0.034	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Benzo[k]fluoranthene	**0.017**	**J**	0.034	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.052	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.063	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Butyl benzyl phthalate	<0.17		0.17	0.066	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Carbazole	<0.17		0.17	0.087	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
4-Chloroaniline	<0.70		0.70	0.16	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2-Chlorophenol	<0.17		0.17	0.059	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Chrysene	**0.023**	**J**	0.034	0.0094	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0067	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Dibenzofuran	<0.17		0.17	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
1,3-Dichlorobenzene	<0.17		0.17	0.039	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2,4-Dichlorophenol	<0.34		0.34	0.082	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Diethyl phthalate	<0.17		0.17	0.059	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Dimethyl phthalate	<0.17		0.17	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Di-n-butyl phthalate	<0.17		0.17	0.053	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
4,6-Dinitro-2-methylphenol	<0.70		0.70	0.28	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2,4-Dinitrophenol	<0.70		0.70	0.61	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2,4-Dinitrotoluene	<0.17		0.17	0.055	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2,6-Dinitrotoluene	<0.17		0.17	0.068	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Di-n-octyl phthalate	<0.17		0.17	0.056	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Fluoranthene	**0.039**		0.034	0.0064	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Fluorene	<0.034		0.034	0.0049	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Hexachlorobenzene	<0.070		0.070	0.0080	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Hexachlorobutadiene	<0.17		0.17	0.054	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Hexachlorocyclopentadiene	<0.70		0.70	0.20	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Hexachloroethane	<0.17		0.17	0.053	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Indeno[1,2,3-cd]pyrene	**0.030**	**J**	0.034	0.0090	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Isophorone	<0.17		0.17	0.039	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2-Methylnaphthalene	<0.070		0.070	0.0064	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2-Methylphenol	<0.17		0.17	0.056	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
3 & 4 Methylphenol	<0.17		0.17	0.058	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Naphthalene	<0.034		0.034	0.0053	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2-Nitroaniline	<0.17		0.17	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Nitrobenzene	<0.034		0.034	0.0086	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2-Nitrophenol	<0.34		0.34	0.082	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1

Client Sample ID: 2282V-8-B05 (5-10)
Date Collected: 08/16/16 13:30
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-10
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
4-Nitrophenol	<0.70		0.70	0.33	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
N-Nitrosodi-n-propylamine	<0.070		0.070	0.042	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
N-Nitrosodiphenylamine	<0.17		0.17	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Pentachlorophenol	<0.70		0.70	0.56	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Phenanthrene	**0.020**	**J**	0.034	0.0048	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Phenol	<0.17		0.17	0.077	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
Pyrene	**0.044**		0.034	0.0069	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2,4,5-Trichlorophenol	<0.34		0.34	0.079	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*42 - 115*	*08/19/16 07:23*	*08/24/16 14:55*	*1*
2-Fluorophenol	*105*		*40 - 130*	*08/19/16 07:23*	*08/24/16 14:55*	*1*
Nitrobenzene-d5	*87*		*33 - 124*	*08/19/16 07:23*	*08/24/16 14:55*	*1*
Phenol-d5	*89*		*36 - 123*	*08/19/16 07:23*	*08/24/16 14:55*	*1*
Terphenyl-d14	*144*		*25 - 150*	*08/19/16 07:23*	*08/24/16 14:55*	*1*
2,4,6-Tribromophenol	*72*		*25 - 130*	*08/19/16 07:23*	*08/24/16 14:55*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.51**	**J**	1.1	0.22	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Arsenic	**4.4**		0.53	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Barium	**28**		0.53	0.098	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Beryllium	**0.20**	**J**	0.21	0.046	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Cadmium	**0.19**	**B**	0.11	0.031	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Chromium	**6.0**		0.53	0.092	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Cobalt	**3.3**		0.27	0.060	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Copper	**9.5**		0.53	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Iron	**11000**		11	4.1	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Lead	**5.7**		0.27	0.13	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Magnesium	**44000**	**B**	5.3	2.2	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Calcium	**89000**	**B**	53	17	mg/Kg	☼	08/18/16 15:05	08/24/16 12:45	5
Manganese	**430**	**B**	0.53	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Nickel	**10**		0.53	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Vanadium	**13**		0.27	0.078	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Zinc	**25**		5.3	1.7	mg/Kg	☼	08/18/16 15:05	08/24/16 12:45	5
Potassium	**530**		27	4.4	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1
Sodium	**330**		53	7.0	mg/Kg	☼	08/18/16 15:05	08/23/16 13:51	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 21:40	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 21:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 21:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 21:40	1

Client Sample ID: 2282V-8-B05 (5-10)
Date Collected: 08/16/16 13:30
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-10
Matrix: Solid
Percent Solids: 90.9

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**330**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 21:40	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:40	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:40	1
Copper	**0.18**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:40	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 21:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 21:40	1
Magnesium	**180**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:40	1
Manganese	**1.9**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:40	1
Nickel	**0.022**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:40	1
Potassium	**1.8**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:40	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 21:40	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:40	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:40	1
Zinc	**0.11**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 21:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.46**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 17:58	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:11	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:11	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.016	0.0085	mg/Kg	☼	08/18/16 13:38	08/19/16 13:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.50		0.50	0.17	mg/Kg	☼	08/23/16 11:10	08/23/16 15:52	1
pH	**9.0**		0.2	0.2	SU			08/25/16 13:19	1

Client Sample ID: 2282V-8-B05 (10-13)
Date Collected: 08/16/16 13:40
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-11
Matrix: Solid
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0029	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Benzene	<0.0038		0.0038	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Bromodichloromethane	<0.0038		0.0038	0.00064	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Bromoform	<0.0038		0.0038	0.00077	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
2-Butanone (MEK)	<0.0038		0.0038	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Carbon disulfide	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Carbon tetrachloride	<0.0038		0.0038	0.00081	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Chlorobenzene	<0.0038		0.0038	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Chloroethane	<0.0038		0.0038	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Chloroform	<0.0038		0.0038	0.00074	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Chloromethane	<0.0038		0.0038	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
cis-1,2-Dichloroethene	<0.0038		0.0038	0.00077	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
cis-1,3-Dichloropropene	<0.0030		0.0030	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Dibromochloromethane	<0.0038		0.0038	0.00043	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
1,1-Dichloroethane	<0.0038		0.0038	0.00078	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
1,2-Dichloroethane	<0.0038		0.0038	0.00056	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
1,1-Dichloroethene	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
1,2-Dichloropropane	<0.0038		0.0038	0.00099	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
1,3-Dichloropropene, Total	<0.0030		0.0030	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Ethylbenzene	<0.0038		0.0038	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Methylene Chloride	<0.0038		0.0038	0.0029	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
4-Methyl-2-pentanone (MIBK)	<0.0038		0.0038	0.00078	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Methyl tert-butyl ether	<0.0038		0.0038	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Styrene	<0.0038		0.0038	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
1,1,2,2-Tetrachloroethane	<0.0038	*	0.0038	0.00060	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Tetrachloroethene	<0.0038		0.0038	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Toluene	<0.0038		0.0038	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
trans-1,2-Dichloroethene	<0.0038		0.0038	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
trans-1,3-Dichloropropene	<0.0030		0.0030	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
1,1,1-Trichloroethane	<0.0038		0.0038	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
1,1,2-Trichloroethane	<0.0038		0.0038	0.00073	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Trichloroethene	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Vinyl acetate	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Vinyl chloride	<0.0038		0.0038	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1
Xylenes, Total	<0.0076		0.0076	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 120*	*08/17/16 16:52*	*08/18/16 14:51*	*1*
Dibromofluoromethane	*93*		*75 - 120*	*08/17/16 16:52*	*08/18/16 14:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*69 - 134*	*08/17/16 16:52*	*08/18/16 14:51*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/17/16 16:52*	*08/18/16 14:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.034		0.034	0.0061	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Acenaphthylene	<0.034		0.034	0.0045	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Anthracene	**0.0070**	**J**	0.034	0.0057	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Benzo[a]anthracene	**0.046**		0.034	0.0046	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-2

Client Sample ID: 2282V-8-B05 (10-13)
Date Collected: 08/16/16 13:40
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-11
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
Benzo[a]pyrene	**0.091**		0.034	0.0066	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Benzo[b]fluoranthene	**0.13**		0.034	0.0074	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Benzo[g,h,i]perylene	**0.12**		0.034	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Benzo[k]fluoranthene	**0.046**		0.034	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.051	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.063	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Butyl benzyl phthalate	<0.17		0.17	0.065	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Carbazole	<0.17		0.17	0.085	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
4-Chloroaniline	<0.69		0.69	0.16	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2-Chlorophenol	<0.17		0.17	0.058	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Chrysene	**0.072**		0.034	0.0093	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0066	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Dibenzofuran	<0.17		0.17	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
1,3-Dichlorobenzene	<0.17		0.17	0.039	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2,4-Dichlorophenol	<0.34		0.34	0.081	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Diethyl phthalate	<0.17		0.17	0.058	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Dimethyl phthalate	<0.17		0.17	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Di-n-butyl phthalate	<0.17		0.17	0.052	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
4,6-Dinitro-2-methylphenol	<0.69		0.69	0.28	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2,4-Dinitrophenol	<0.69		0.69	0.60	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2,4-Dinitrotoluene	<0.17		0.17	0.054	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2,6-Dinitrotoluene	<0.17		0.17	0.067	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Di-n-octyl phthalate	<0.17		0.17	0.056	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Fluoranthene	**0.084**		0.034	0.0063	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Fluorene	<0.034		0.034	0.0048	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Hexachlorobenzene	<0.069		0.069	0.0079	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Hexachlorobutadiene	<0.17		0.17	0.054	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Hexachlorocyclopentadiene	<0.69		0.69	0.20	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Hexachloroethane	<0.17		0.17	0.052	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Indeno[1,2,3-cd]pyrene	**0.10**		0.034	0.0089	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Isophorone	<0.17		0.17	0.038	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2-Methylnaphthalene	<0.069		0.069	0.0063	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2-Methylphenol	<0.17		0.17	0.055	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
3 & 4 Methylphenol	<0.17		0.17	0.057	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Naphthalene	<0.034		0.034	0.0053	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2-Nitroaniline	<0.17		0.17	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Nitrobenzene	<0.034		0.034	0.0085	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2-Nitrophenol	<0.34		0.34	0.081	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1

Client Sample ID: 2282V-8-B05 (10-13)
Date Collected: 08/16/16 13:40
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-11
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
4-Nitrophenol	<0.69		0.69	0.33	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
N-Nitrosodi-n-propylamine	<0.069		0.069	0.042	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
N-Nitrosodiphenylamine	<0.17		0.17	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Pentachlorophenol	<0.69		0.69	0.55	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Phenanthrene	**0.048**		0.034	0.0048	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Phenol	<0.17		0.17	0.076	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
Pyrene	**0.21**		0.034	0.0068	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2,4,5-Trichlorophenol	<0.34		0.34	0.078	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*42 - 115*	*08/19/16 07:23*	*08/24/16 19:51*	*1*
2-Fluorophenol	*101*		*40 - 130*	*08/19/16 07:23*	*08/24/16 19:51*	*1*
Nitrobenzene-d5	*86*		*33 - 124*	*08/19/16 07:23*	*08/24/16 19:51*	*1*
Phenol-d5	*92*		*36 - 123*	*08/19/16 07:23*	*08/24/16 19:51*	*1*
Terphenyl-d14	*203*	*X*	*25 - 150*	*08/19/16 07:23*	*08/24/16 19:51*	*1*
2,4,6-Tribromophenol	*76*		*25 - 130*	*08/19/16 07:23*	*08/24/16 19:51*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.26**	**J**	1.0	0.21	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Arsenic	**2.3**		0.51	0.24	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Barium	**26**		0.51	0.094	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Beryllium	**0.15**	**J**	0.21	0.044	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Cadmium	**0.14**	**B**	0.10	0.030	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Chromium	**6.9**		0.51	0.088	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Cobalt	**5.8**		0.26	0.058	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Copper	**30**		0.51	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Iron	**8900**		10	4.0	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Lead	**4.0**		0.26	0.13	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Magnesium	**33000**	**B**	5.1	2.1	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Calcium	**64000**	**B**	51	17	mg/Kg	☼	08/18/16 15:05	08/24/16 12:52	5
Manganese	**240**	**B**	0.51	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Nickel	**16**		0.51	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Selenium	<0.51		0.51	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Silver	<0.26		0.26	0.060	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Thallium	<0.51		0.51	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Vanadium	**19**		0.26	0.075	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Zinc	**20**		5.1	1.6	mg/Kg	☼	08/18/16 15:05	08/24/16 12:52	5
Potassium	**710**		26	4.2	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1
Sodium	**470**		51	6.8	mg/Kg	☼	08/18/16 15:05	08/23/16 13:56	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 21:45	1
Barium	**0.22**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 21:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 21:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 21:45	1

Client Sample ID: 2282V-8-B05 (10-13)
Date Collected: 08/16/16 13:40
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-11
Matrix: Solid
Percent Solids: 93.4

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**280**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 21:45	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:45	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:45	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:45	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 21:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 21:45	1
Magnesium	**160**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:45	1
Manganese	**1.7**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:45	1
Nickel	**0.024**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:45	1
Potassium	**3.6**	**B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:45	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 21:45	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:45	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:45	1
Zinc	**0.039**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 21:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.074**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 18:03	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:14	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:14	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0095**	**J**	0.016	0.0086	mg/Kg	☼	08/18/16 13:38	08/19/16 13:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.49		0.49	0.16	mg/Kg	☼	08/23/16 11:10	08/23/16 15:52	1
pH	**9.1**		0.2	0.2	SU			08/25/16 13:22	1

Client Sample ID: 2282V-8-B06 (0-5)
Date Collected: 08/16/16 12:45
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-12
Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0034	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Benzene	<0.0044		0.0044	0.00098	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Bromodichloromethane	<0.0044		0.0044	0.00074	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Bromoform	<0.0044		0.0044	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
2-Butanone (MEK)	<0.0044		0.0044	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Carbon disulfide	<0.0044		0.0044	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Carbon tetrachloride	<0.0044		0.0044	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Chlorobenzene	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Chloroethane	<0.0044		0.0044	0.0018	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Chloroform	<0.0044		0.0044	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Chloromethane	<0.0044		0.0044	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
cis-1,2-Dichloroethene	<0.0044		0.0044	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
cis-1,3-Dichloropropene	<0.0035		0.0035	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Dibromochloromethane	<0.0044		0.0044	0.00051	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
1,1-Dichloroethane	<0.0044		0.0044	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
1,2-Dichloroethane	<0.0044		0.0044	0.00065	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
1,1-Dichloroethene	<0.0044		0.0044	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
1,2-Dichloropropane	<0.0044		0.0044	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
1,3-Dichloropropene, Total	<0.0035		0.0035	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Ethylbenzene	<0.0044		0.0044	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Methylene Chloride	<0.0044		0.0044	0.0033	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Methyl tert-butyl ether	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Styrene	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
1,1,2,2-Tetrachloroethane	<0.0044	*	0.0044	0.00070	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Tetrachloroethene	<0.0044		0.0044	0.00092	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Toluene	<0.0044		0.0044	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
trans-1,2-Dichloroethene	<0.0044		0.0044	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
trans-1,3-Dichloropropene	<0.0035		0.0035	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
1,1,1-Trichloroethane	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
1,1,2-Trichloroethane	<0.0044		0.0044	0.00085	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Trichloroethene	<0.0044		0.0044	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Vinyl acetate	<0.0044		0.0044	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Vinyl chloride	<0.0044		0.0044	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1
Xylenes, Total	<0.0088		0.0088	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 120*	*08/17/16 16:52*	*08/18/16 15:16*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/17/16 16:52*	*08/18/16 15:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*69 - 134*	*08/17/16 16:52*	*08/18/16 15:16*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/17/16 16:52*	*08/18/16 15:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.010**	**J**	0.036	0.0066	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Anthracene	**0.025**	**J**	0.036	0.0061	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Benzo[a]anthracene	**0.19**		0.036	0.0049	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1

Client Sample ID: 2282V-8-B06 (0-5)
Date Collected: 08/16/16 12:45
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-12
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
Benzo[a]pyrene	**0.39**		0.036	0.0071	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Benzo[b]fluoranthene	**0.54**		0.036	0.0079	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Benzo[g,h,i]perylene	**0.48**		0.036	0.012	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Benzo[k]fluoranthene	**0.17**		0.036	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Chrysene	**0.26**		0.036	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Dibenz(a,h)anthracene	**0.11**		0.036	0.0071	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2,4-Dinitrophenol	<0.74		0.74	0.64	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Fluoranthene	**0.35**		0.036	0.0068	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Fluorene	**0.013**	**J**	0.036	0.0051	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Indeno[1,2,3-cd]pyrene	**0.39**		0.036	0.0095	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2-Methylnaphthalene	<0.074		0.074	0.0067	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1

Client Sample ID: 2282V-8-B06 (0-5)
Date Collected: 08/16/16 12:45
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-12
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
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Phenanthrene	**0.25**		0.036	0.0051	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
Pyrene	**0.87**		0.036	0.0073	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*42 - 115*	*08/19/16 07:23*	*08/24/16 20:18*	*1*
2-Fluorophenol	*101*		*40 - 130*	*08/19/16 07:23*	*08/24/16 20:18*	*1*
Nitrobenzene-d5	*85*		*33 - 124*	*08/19/16 07:23*	*08/24/16 20:18*	*1*
Phenol-d5	*88*		*36 - 123*	*08/19/16 07:23*	*08/24/16 20:18*	*1*
Terphenyl-d14	*215*	*X*	*25 - 150*	*08/19/16 07:23*	*08/24/16 20:18*	*1*
2,4,6-Tribromophenol	*58*		*25 - 130*	*08/19/16 07:23*	*08/24/16 20:18*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.33**	**J**	1.1	0.23	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Arsenic	**11**		0.56	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Barium	**32**		0.56	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Beryllium	**0.23**		0.22	0.048	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Cadmium	**0.18**	**B**	0.11	0.032	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Chromium	**7.1**		0.56	0.096	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Cobalt	**6.1**		0.28	0.063	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Copper	**15**		0.56	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Iron	**14000**		11	4.3	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Lead	**21**		0.28	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Magnesium	**15000**	**B**	5.6	2.3	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Calcium	**22000**	**B**	11	3.6	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Manganese	**320**	**B**	0.56	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Nickel	**16**		0.56	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Vanadium	**17**		0.28	0.082	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Zinc	**33**		1.1	0.35	mg/Kg	☼	08/18/16 15:05	08/24/16 12:59	1
Potassium	**570**		28	4.6	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1
Sodium	**710**		56	7.4	mg/Kg	☼	08/18/16 15:05	08/23/16 14:01	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 21:50	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 21:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 21:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 21:50	1

Client Sample ID: 2282V-8-B06 (0-5)
Date Collected: 08/16/16 12:45
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-12
Matrix: Solid
Percent Solids: 85.6

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**320**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 21:50	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:50	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:50	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:50	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 21:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 21:50	1
Magnesium	**170**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:50	1
Manganese	**1.5**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:50	1
Nickel	**0.030**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:50	1
Potassium	**3.2**	**B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:50	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 21:50	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:50	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:50	1
Zinc	**0.039**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 21:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.3**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 18:19	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:18	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:18	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 09:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.019	0.010	mg/Kg	☼	08/18/16 13:38	08/19/16 13:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	08/23/16 11:10	08/23/16 15:53	1
pH	**9.2**		0.2	0.2	SU			08/25/16 13:25	1

Client Sample ID: 2282V-8-B06 (5-10)
Date Collected: 08/16/16 12:55
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-13
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0032	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Benzene	<0.0041		0.0041	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Bromodichloromethane	<0.0041		0.0041	0.00069	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Bromoform	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
2-Butanone (MEK)	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Carbon disulfide	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Carbon tetrachloride	<0.0041		0.0041	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Chlorobenzene	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Chloroethane	<0.0041		0.0041	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Chloroform	<0.0041		0.0041	0.00080	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Chloromethane	<0.0041		0.0041	0.00099	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
cis-1,2-Dichloroethene	<0.0041		0.0041	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Dibromochloromethane	<0.0041		0.0041	0.00047	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
1,1-Dichloroethane	<0.0041		0.0041	0.00085	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
1,2-Dichloroethane	<0.0041		0.0041	0.00061	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
1,1-Dichloroethene	<0.0041		0.0041	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
1,2-Dichloropropane	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Ethylbenzene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Methylene Chloride	<0.0041		0.0041	0.0031	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.00085	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Methyl tert-butyl ether	<0.0041		0.0041	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Styrene	<0.0041		0.0041	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
1,1,2,2-Tetrachloroethane	<0.0041	*	0.0041	0.00065	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Tetrachloroethene	<0.0041		0.0041	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Toluene	<0.0041		0.0041	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
trans-1,2-Dichloroethene	<0.0041		0.0041	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
1,1,1-Trichloroethane	<0.0041		0.0041	0.00095	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
1,1,2-Trichloroethane	<0.0041		0.0041	0.00080	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Trichloroethene	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Vinyl acetate	<0.0041		0.0041	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Vinyl chloride	<0.0041		0.0041	0.00098	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1
Xylenes, Total	<0.0082		0.0082	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 120*	*08/17/16 16:52*	*08/18/16 15:41*	*1*
Dibromofluoromethane	*93*		*75 - 120*	*08/17/16 16:52*	*08/18/16 15:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*69 - 134*	*08/17/16 16:52*	*08/18/16 15:41*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/17/16 16:52*	*08/18/16 15:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1

Client Sample ID: 2282V-8-B06 (5-10)
Date Collected: 08/16/16 12:55
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-13
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1

Client Sample ID: 2282V-8-B06 (5-10)
Date Collected: 08/16/16 12:55
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-13
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	08/19/16 07:23	08/19/16 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*42 - 115*	*08/19/16 07:23*	*08/19/16 19:58*	*1*
2-Fluorophenol	*35*	*X*	*40 - 130*	*08/19/16 07:23*	*08/19/16 19:58*	*1*
Nitrobenzene-d5	*49*		*33 - 124*	*08/19/16 07:23*	*08/19/16 19:58*	*1*
Phenol-d5	*48*		*36 - 123*	*08/19/16 07:23*	*08/19/16 19:58*	*1*
Terphenyl-d14	*82*		*25 - 150*	*08/19/16 07:23*	*08/19/16 19:58*	*1*
2,4,6-Tribromophenol	*64*		*25 - 130*	*08/19/16 07:23*	*08/19/16 19:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.35**	**J**	1.1	0.23	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Arsenic	**4.7**		0.56	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Barium	**39**		0.56	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Beryllium	**0.28**		0.23	0.049	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Cadmium	**0.23**	**B**	0.11	0.033	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Chromium	**6.7**		0.56	0.097	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Cobalt	**5.4**		0.28	0.064	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Copper	**11**		0.56	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Iron	**8800**		11	4.3	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Lead	**6.7**		0.28	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Magnesium	**8900**	**B**	5.6	2.3	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Calcium	**13000**	**B**	11	3.6	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Manganese	**370**	**B**	0.56	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Nickel	**16**		0.56	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Selenium	**0.28**	**J**	0.56	0.28	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Vanadium	**15**		0.28	0.082	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Zinc	**36**		1.1	0.36	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Potassium	**680**		28	4.6	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1
Sodium	**230**		56	7.4	mg/Kg	☼	08/18/16 15:05	08/23/16 14:14	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 21:55	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 21:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 21:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 21:55	1

Client Sample ID: 2282V-8-B06 (5-10)
Date Collected: 08/16/16 12:55
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-13
Matrix: Solid
Percent Solids: 84.1

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**250**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 21:55	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:55	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:55	1
Copper	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:55	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 21:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 21:55	1
Magnesium	**140**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:55	1
Manganese	**0.28**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:55	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:55	1
Potassium	**1.3**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 21:55	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 21:55	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:55	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 21:55	1
Zinc	**0.020**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 21:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.60**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 18:24	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:21	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:21	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 10:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**		0.018	0.0094	mg/Kg	☼	08/18/16 13:38	08/19/16 13:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.19	mg/Kg	☼	08/23/16 11:10	08/23/16 15:53	1
pH	**8.3**		0.2	0.2	SU			08/25/16 13:28	1

Client Sample ID: 2282V-8-B06 (10-13)
Date Collected: 08/16/16 13:05
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-14
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0029	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Benzene	<0.0038		0.0038	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Bromodichloromethane	<0.0038		0.0038	0.00064	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Bromoform	<0.0038		0.0038	0.00077	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
2-Butanone (MEK)	<0.0038		0.0038	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Carbon disulfide	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Carbon tetrachloride	<0.0038		0.0038	0.00081	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Chlorobenzene	<0.0038		0.0038	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Chloroethane	<0.0038		0.0038	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Chloroform	<0.0038		0.0038	0.00074	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Chloromethane	<0.0038		0.0038	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
cis-1,2-Dichloroethene	<0.0038		0.0038	0.00077	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
cis-1,3-Dichloropropene	<0.0030		0.0030	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Dibromochloromethane	<0.0038		0.0038	0.00043	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
1,1-Dichloroethane	<0.0038		0.0038	0.00078	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
1,2-Dichloroethane	<0.0038		0.0038	0.00056	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
1,1-Dichloroethene	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
1,2-Dichloropropane	<0.0038		0.0038	0.00099	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
1,3-Dichloropropene, Total	<0.0030		0.0030	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Ethylbenzene	<0.0038		0.0038	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Methylene Chloride	<0.0038		0.0038	0.0029	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
4-Methyl-2-pentanone (MIBK)	<0.0038		0.0038	0.00078	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Methyl tert-butyl ether	<0.0038		0.0038	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Styrene	<0.0038		0.0038	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
1,1,2,2-Tetrachloroethane	<0.0038	*	0.0038	0.00060	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Tetrachloroethene	<0.0038		0.0038	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Toluene	<0.0038		0.0038	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
trans-1,2-Dichloroethene	<0.0038		0.0038	0.00095	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
trans-1,3-Dichloropropene	<0.0030		0.0030	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
1,1,1-Trichloroethane	<0.0038		0.0038	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
1,1,2-Trichloroethane	<0.0038		0.0038	0.00073	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Trichloroethene	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Vinyl acetate	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Vinyl chloride	<0.0038		0.0038	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1
Xylenes, Total	<0.0076		0.0076	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 120*	*08/17/16 16:52*	*08/18/16 16:06*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/17/16 16:52*	*08/18/16 16:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*69 - 134*	*08/17/16 16:52*	*08/18/16 16:06*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/17/16 16:52*	*08/18/16 16:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Benzo[a]anthracene	**0.0057**	**J**	0.037	0.0050	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1

Client Sample ID: 2282V-8-B06 (10-13)
Date Collected: 08/16/16 13:05
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-14
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.037		0.037	0.0071	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Benzo[b]fluoranthene	**0.021**	**J**	0.037	0.0079	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Carbazole	<0.19		0.19	0.092	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
1,3-Dichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2,4-Dichlorophenol	<0.37		0.37	0.087	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Diethyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2,6-Dinitrotoluene	<0.19		0.19	0.072	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Fluoranthene	**0.013**	**J**	0.037	0.0068	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Indeno[1,2,3-cd]pyrene	**0.013**	**J**	0.037	0.0095	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
3 & 4 Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1

Client Sample ID: 2282V-8-B06 (10-13)
Date Collected: 08/16/16 13:05
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-14
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
N-Nitrosodiphenylamine	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Phenanthrene	<0.037		0.037	0.0051	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
Pyrene	**0.012**	**J**	0.037	0.0073	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	08/19/16 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*42 - 115*	*08/19/16 07:23*	*08/19/16 21:37*	*1*
2-Fluorophenol	*81*		*40 - 130*	*08/19/16 07:23*	*08/19/16 21:37*	*1*
Nitrobenzene-d5	*74*		*33 - 124*	*08/19/16 07:23*	*08/19/16 21:37*	*1*
Phenol-d5	*83*		*36 - 123*	*08/19/16 07:23*	*08/19/16 21:37*	*1*
Terphenyl-d14	*95*		*25 - 150*	*08/19/16 07:23*	*08/19/16 21:37*	*1*
2,4,6-Tribromophenol	*43*		*25 - 130*	*08/19/16 07:23*	*08/19/16 21:37*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.43**	**J**	1.1	0.23	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Arsenic	**7.6**		0.55	0.25	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Barium	**32**		0.55	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Beryllium	**0.28**		0.22	0.047	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Cadmium	**0.22**	**B**	0.11	0.032	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Chromium	**7.5**		0.55	0.094	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Cobalt	**6.2**		0.27	0.062	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Copper	**12**		0.55	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Iron	**11000**		11	4.2	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Lead	**17**		0.27	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Magnesium	**29000**	**B**	5.5	2.2	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Calcium	**57000**	**B**	55	18	mg/Kg	☼	08/18/16 15:05	08/24/16 13:22	5
Manganese	**370**	**B**	0.55	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Nickel	**15**		0.55	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Selenium	**0.27**	**J**	0.55	0.27	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Vanadium	**17**		0.27	0.080	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Zinc	**33**		1.1	0.35	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Potassium	**710**		27	4.5	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1
Sodium	**270**		55	7.2	mg/Kg	☼	08/18/16 15:05	08/23/16 14:18	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 22:01	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 22:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 22:01	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 22:01	1

Client Sample ID: 2282V-8-B06 (10-13)

Date Collected: 08/16/16 13:05
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-14

Matrix: Solid
Percent Solids: 86.2

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**320**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 22:01	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:01	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:01	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:01	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 22:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 22:01	1
Magnesium	**180**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:01	1
Manganese	**1.2**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:01	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:01	1
Potassium	**1.6**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:01	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 22:01	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:01	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:01	1
Zinc	**0.032**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.68**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 18:28	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:24	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:24	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 10:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.014**	**J**	0.017	0.0087	mg/Kg	☼	08/18/16 13:38	08/19/16 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.51		0.51	0.17	mg/Kg	☼	08/23/16 11:10	08/23/16 15:54	1
pH	**8.9**		0.2	0.2	SU			08/25/16 13:30	1

Client Sample ID: 2282V-8-B07 (0-5)
Date Collected: 08/16/16 12:00
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-15
Matrix: Solid
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0038	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Bromodichloromethane	<0.0049		0.0049	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Bromoform	<0.0049		0.0049	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
2-Butanone (MEK)	<0.0049		0.0049	0.0018	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Carbon tetrachloride	<0.0049		0.0049	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Chloroethane	<0.0049		0.0049	0.0021	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Chloroform	<0.0049		0.0049	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
cis-1,3-Dichloropropene	<0.0040		0.0040	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Dibromochloromethane	<0.0049		0.0049	0.00057	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
1,2-Dichloroethane	<0.0049		0.0049	0.00073	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
1,3-Dichloropropene, Total	<0.0040		0.0040	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Styrene	<0.0049		0.0049	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
1,1,2,2-Tetrachloroethane	<0.0049	*	0.0049	0.00079	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
trans-1,3-Dichloropropene	<0.0040		0.0040	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1
Xylenes, Total	<0.0099		0.0099	0.0018	mg/Kg	☼	08/17/16 16:52	08/18/16 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 120*	*08/17/16 16:52*	*08/18/16 16:30*	*1*
Dibromofluoromethane	*96*		*75 - 120*	*08/17/16 16:52*	*08/18/16 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*69 - 134*	*08/17/16 16:52*	*08/18/16 16:30*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/17/16 16:52*	*08/18/16 16:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Benzo[a]anthracene	**0.025**	**J**	0.037	0.0050	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1

Client Sample ID: 2282V-8-B07 (0-5)
Date Collected: 08/16/16 12:00
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-15
Matrix: Solid
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.051**		0.037	0.0072	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Benzo[b]fluoranthene	**0.081**		0.037	0.0080	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Benzo[g,h,i]perylene	**0.024**	**J**	0.037	0.012	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Benzo[k]fluoranthene	**0.035**	**J**	0.037	0.011	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Carbazole	<0.19		0.19	0.092	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Chrysene	**0.035**	**J**	0.037	0.010	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Fluoranthene	**0.084**		0.037	0.0069	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0096	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1

Client Sample ID: 2282V-8-B07 (0-5)
Date Collected: 08/16/16 12:00
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-15
Matrix: Solid
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Phenanthrene	**0.022**	**J**	0.037	0.0052	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
Pyrene	**0.052**		0.037	0.0073	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	08/19/16 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*42 - 115*	*08/19/16 07:23*	*08/19/16 22:02*	*1*
2-Fluorophenol	*77*		*40 - 130*	*08/19/16 07:23*	*08/19/16 22:02*	*1*
Nitrobenzene-d5	*48*		*33 - 124*	*08/19/16 07:23*	*08/19/16 22:02*	*1*
Phenol-d5	*60*		*36 - 123*	*08/19/16 07:23*	*08/19/16 22:02*	*1*
Terphenyl-d14	*90*		*25 - 150*	*08/19/16 07:23*	*08/19/16 22:02*	*1*
2,4,6-Tribromophenol	*66*		*25 - 130*	*08/19/16 07:23*	*08/19/16 22:02*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.24**	**J**	1.1	0.23	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Arsenic	**4.2**		0.55	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Barium	**30**		0.55	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Beryllium	**0.24**		0.22	0.048	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Cadmium	**0.17**	**B**	0.11	0.032	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Chromium	**7.4**		0.55	0.095	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Cobalt	**4.1**		0.28	0.063	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Copper	**10**		0.55	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Iron	**9500**		11	4.3	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Lead	**11**		0.28	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Magnesium	**19000**	**B**	5.5	2.2	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Calcium	**29000**	**B**	11	3.6	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Manganese	**360**	**B**	0.55	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Nickel	**12**		0.55	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Selenium	**0.38**	**J**	0.55	0.27	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Vanadium	**14**		0.28	0.081	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Zinc	**39**		1.1	0.35	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Potassium	**540**		28	4.5	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1
Sodium	**840**		55	7.3	mg/Kg	☼	08/18/16 15:05	08/23/16 14:23	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 22:06	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 22:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 22:06	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 22:06	1

Client Sample ID: 2282V-8-B07 (0-5)
Date Collected: 08/16/16 12:00
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-15
Matrix: Solid
Percent Solids: 86.5

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**300**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 22:06	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:06	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:06	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:06	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 22:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 22:06	1
Magnesium	**160**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:06	1
Manganese	**0.86**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:06	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:06	1
Potassium	**1.8**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:06	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 22:06	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:06	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:06	1
Zinc	**0.070**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.6**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 18:41	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:28	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:28	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 10:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.019	0.010	mg/Kg	☼	08/18/16 13:38	08/19/16 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.17	mg/Kg	☼	08/23/16 11:10	08/23/16 15:54	1
pH	**9.0**		0.2	0.2	SU			08/25/16 13:33	1

Client Sample ID: 2282V-8-B07 (5-10)
Date Collected: 08/16/16 12:10
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-16
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0029	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Benzene	<0.0038		0.0038	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Bromodichloromethane	<0.0038		0.0038	0.00064	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Bromoform	<0.0038		0.0038	0.00077	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
2-Butanone (MEK)	<0.0038		0.0038	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Carbon disulfide	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Carbon tetrachloride	<0.0038		0.0038	0.00081	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Chlorobenzene	<0.0038		0.0038	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Chloroethane	<0.0038		0.0038	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Chloroform	<0.0038		0.0038	0.00073	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Chloromethane	<0.0038		0.0038	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
cis-1,2-Dichloroethene	<0.0038		0.0038	0.00077	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
cis-1,3-Dichloropropene	<0.0030		0.0030	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Dibromochloromethane	<0.0038		0.0038	0.00043	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
1,1-Dichloroethane	<0.0038		0.0038	0.00078	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
1,2-Dichloroethane	<0.0038		0.0038	0.00056	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
1,1-Dichloroethene	<0.0038		0.0038	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
1,2-Dichloropropane	<0.0038		0.0038	0.00099	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
1,3-Dichloropropene, Total	<0.0030		0.0030	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Ethylbenzene	<0.0038		0.0038	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Methylene Chloride	<0.0038		0.0038	0.0028	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
4-Methyl-2-pentanone (MIBK)	<0.0038		0.0038	0.00078	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Methyl tert-butyl ether	<0.0038		0.0038	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Styrene	<0.0038		0.0038	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
1,1,2,2-Tetrachloroethane	<0.0038	*	0.0038	0.00060	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Tetrachloroethene	<0.0038		0.0038	0.00078	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Toluene	<0.0038		0.0038	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
trans-1,2-Dichloroethene	<0.0038		0.0038	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
trans-1,3-Dichloropropene	<0.0030		0.0030	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
1,1,1-Trichloroethane	<0.0038		0.0038	0.00087	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
1,1,2-Trichloroethane	<0.0038		0.0038	0.00073	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Trichloroethene	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Vinyl acetate	<0.0038		0.0038	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Vinyl chloride	<0.0038		0.0038	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1
Xylenes, Total	<0.0075		0.0075	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 120*	*08/17/16 16:52*	*08/18/16 16:54*	*1*
Dibromofluoromethane	*95*		*75 - 120*	*08/17/16 16:52*	*08/18/16 16:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*69 - 134*	*08/17/16 16:52*	*08/18/16 16:54*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/17/16 16:52*	*08/18/16 16:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0064	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Benzo[a]anthracene	**0.0090**	**J**	0.036	0.0048	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-2

Client Sample ID: 2282V-8-B07 (5-10)
Date Collected: 08/16/16 12:10
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-16
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.018**	**J**	0.036	0.0069	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Benzo[b]fluoranthene	**0.024**	**J**	0.036	0.0077	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Carbazole	<0.18		0.18	0.090	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Chrysene	**0.011**	**J**	0.036	0.0098	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0069	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
4,6-Dinitro-2-methylphenol	<0.72		0.72	0.29	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2,4-Dinitrophenol	<0.72		0.72	0.63	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Fluoranthene	**0.025**	**J**	0.036	0.0066	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Fluorene	<0.036		0.036	0.0050	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Hexachlorobenzene	<0.072		0.072	0.0083	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Hexachlorocyclopentadiene	<0.72		0.72	0.21	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Indeno[1,2,3-cd]pyrene	**0.018**	**J**	0.036	0.0093	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2-Methylnaphthalene	<0.072		0.072	0.0066	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Nitrobenzene	<0.036		0.036	0.0089	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1

Client Sample ID: 2282V-8-B07 (5-10)
Date Collected: 08/16/16 12:10
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-16
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
N-Nitrosodi-n-propylamine	<0.072		0.072	0.044	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Pentachlorophenol	<0.72		0.72	0.58	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Phenanthrene	**0.0091**	**J**	0.036	0.0050	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
Pyrene	**0.020**	**J**	0.036	0.0071	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	08/19/16 07:23	08/19/16 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*42 - 115*	*08/19/16 07:23*	*08/19/16 20:22*	*1*
2-Fluorophenol	*82*		*40 - 130*	*08/19/16 07:23*	*08/19/16 20:22*	*1*
Nitrobenzene-d5	*70*		*33 - 124*	*08/19/16 07:23*	*08/19/16 20:22*	*1*
Phenol-d5	*81*		*36 - 123*	*08/19/16 07:23*	*08/19/16 20:22*	*1*
Terphenyl-d14	*89*		*25 - 150*	*08/19/16 07:23*	*08/19/16 20:22*	*1*
2,4,6-Tribromophenol	*54*		*25 - 130*	*08/19/16 07:23*	*08/19/16 20:22*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.36**	**J**	1.1	0.22	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Arsenic	**3.2**		0.53	0.24	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Barium	**28**		0.53	0.097	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Beryllium	**0.24**		0.21	0.046	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Cadmium	**0.15**	**B**	0.11	0.031	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Chromium	**6.6**		0.53	0.091	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Cobalt	**5.0**		0.26	0.060	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Copper	**7.4**		0.53	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Iron	**8700**		11	4.1	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Lead	**7.3**		0.26	0.13	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Magnesium	**20000**	**B**	5.3	2.2	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Calcium	**29000**	**B**	11	3.4	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Manganese	**220**	**B**	0.53	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Nickel	**12**		0.53	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Silver	<0.26		0.26	0.062	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Vanadium	**13**		0.26	0.077	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Zinc	**31**		1.1	0.34	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Potassium	**760**		26	4.3	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	1
Sodium	**530**		53	7.0	mg/Kg	☼	08/18/16 15:05	08/23/16 14:28	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		08/23/16 07:47	08/23/16 22:11	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 22:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 22:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 22:11	1

Client Sample ID: 2282V-8-B07 (5-10)

Date Collected: 08/16/16 12:10
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-16

Matrix: Solid
Percent Solids: 90.0

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**310**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 22:11	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:11	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:11	1
Copper	**0.023**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:11	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 22:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 22:11	1
Magnesium	**170**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:11	1
Manganese	**1.2**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:11	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:11	1
Potassium	**1.5**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:11	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 22:11	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:11	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:11	1
Zinc	**0.045**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.39**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 18:46	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:31	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:31	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 10:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.014**	**J**	0.017	0.0089	mg/Kg	☼	08/18/16 13:38	08/19/16 13:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.18	mg/Kg	☼	08/23/16 11:10	08/23/16 15:55	1
pH	**8.8**		0.2	0.2	SU			08/25/16 13:36	1

Client Sample ID: 2282V-8-B07 (10-13)
Date Collected: 08/16/16 12:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-17
Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0030	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Benzene	<0.0039		0.0039	0.00087	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Bromodichloromethane	<0.0039		0.0039	0.00066	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Bromoform	<0.0039		0.0039	0.00080	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Bromomethane	<0.0039		0.0039	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
2-Butanone (MEK)	<0.0039		0.0039	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Carbon disulfide	<0.0039		0.0039	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Carbon tetrachloride	<0.0039		0.0039	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Chlorobenzene	<0.0039		0.0039	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Chloroethane	<0.0039		0.0039	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Chloroform	<0.0039		0.0039	0.00077	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Chloromethane	<0.0039		0.0039	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
cis-1,2-Dichloroethene	<0.0039		0.0039	0.00080	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
cis-1,3-Dichloropropene	<0.0031		0.0031	0.00090	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Dibromochloromethane	<0.0039		0.0039	0.00045	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
1,1-Dichloroethane	<0.0039		0.0039	0.00081	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
1,2-Dichloroethane	<0.0039		0.0039	0.00058	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
1,1-Dichloroethene	<0.0039		0.0039	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
1,2-Dichloropropane	<0.0039		0.0039	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
1,3-Dichloropropene, Total	<0.0031		0.0031	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Ethylbenzene	<0.0039		0.0039	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Methylene Chloride	<0.0039		0.0039	0.0030	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
4-Methyl-2-pentanone (MIBK)	<0.0039		0.0039	0.00081	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Methyl tert-butyl ether	<0.0039		0.0039	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Styrene	<0.0039		0.0039	0.00092	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
1,1,2,2-Tetrachloroethane	<0.0039	*	0.0039	0.00062	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Tetrachloroethene	<0.0039		0.0039	0.00082	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Toluene	<0.0039		0.0039	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
trans-1,2-Dichloroethene	<0.0039		0.0039	0.00098	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
trans-1,3-Dichloropropene	<0.0031		0.0031	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
1,1,1-Trichloroethane	<0.0039		0.0039	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
1,1,2-Trichloroethane	<0.0039		0.0039	0.00076	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Trichloroethene	<0.0039		0.0039	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Vinyl acetate	<0.0039		0.0039	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Vinyl chloride	<0.0039		0.0039	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1
Xylenes, Total	<0.0079		0.0079	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 120*	*08/17/16 16:52*	*08/18/16 17:18*	*1*
Dibromofluoromethane	*95*		*75 - 120*	*08/17/16 16:52*	*08/18/16 17:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*69 - 134*	*08/17/16 16:52*	*08/18/16 17:18*	*1*
Toluene-d8 (Surr)	*94*		*75 - 123*	*08/17/16 16:52*	*08/18/16 17:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0066	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Anthracene	**0.010**	**J**	0.036	0.0061	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Benzo[a]anthracene	**0.057**		0.036	0.0049	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1

Client Sample ID: 2282V-8-B07 (10-13)
Date Collected: 08/16/16 12:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-17
Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.074**		0.036	0.0071	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Benzo[b]fluoranthene	**0.14**		0.036	0.0079	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Benzo[g,h,i]perylene	**0.040**		0.036	0.012	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Benzo[k]fluoranthene	**0.039**		0.036	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Chrysene	**0.077**		0.036	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2,4-Dinitrophenol	<0.74		0.74	0.64	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Fluoranthene	**0.16**		0.036	0.0068	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Indeno[1,2,3-cd]pyrene	**0.052**		0.036	0.0095	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2-Methylnaphthalene	<0.074		0.074	0.0067	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1

Client Sample ID: 2282V-8-B07 (10-13)
Date Collected: 08/16/16 12:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-17
Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Phenanthrene	**0.071**		0.036	0.0051	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
Pyrene	**0.14**		0.036	0.0073	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	08/19/16 07:23	08/24/16 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*42 - 115*	*08/19/16 07:23*	*08/24/16 14:02*	*1*
2-Fluorophenol	*96*		*40 - 130*	*08/19/16 07:23*	*08/24/16 14:02*	*1*
Nitrobenzene-d5	*82*		*33 - 124*	*08/19/16 07:23*	*08/24/16 14:02*	*1*
Phenol-d5	*87*		*36 - 123*	*08/19/16 07:23*	*08/24/16 14:02*	*1*
Terphenyl-d14	*101*		*25 - 150*	*08/19/16 07:23*	*08/24/16 14:02*	*1*
2,4,6-Tribromophenol	*27*		*25 - 130*	*08/19/16 07:23*	*08/24/16 14:02*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.42**	**J**	1.1	0.23	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Arsenic	**5.8**		0.56	0.26	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Barium	**25**		0.56	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Beryllium	**0.20**	**J**	0.23	0.049	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Cadmium	**0.22**	**B**	0.11	0.033	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Chromium	**7.2**		0.56	0.097	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Cobalt	**3.8**		0.28	0.064	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Copper	**11**		0.56	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Iron	**9500**		11	4.3	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Lead	**7.3**		0.28	0.14	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Magnesium	**42000**	**B**	5.6	2.3	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Calcium	**79000**	**B**	56	18	mg/Kg	☼	08/18/16 15:05	08/24/16 13:35	5
Manganese	**400**	**B**	0.56	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Nickel	**11**		0.56	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Vanadium	**14**		0.28	0.082	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Zinc	**29**		1.1	0.36	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Potassium	**540**		28	4.6	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1
Sodium	**460**		56	7.4	mg/Kg	☼	08/18/16 15:05	08/23/16 14:33	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 22:16	1
Barium	**0.26**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 22:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 22:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 22:16	1

Client Sample ID: 2282V-8-B07 (10-13)
Date Collected: 08/16/16 12:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-17
Matrix: Solid
Percent Solids: 86.7

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**290**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 22:16	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:16	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:16	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:16	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 22:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 22:16	1
Magnesium	**150**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:16	1
Manganese	**0.89**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:16	1
Nickel	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:16	1
Potassium	**1.6**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:16	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 22:16	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:16	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:16	1
Zinc	**0.041**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.35**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 18:50	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:35	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:35	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 10:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.011**	**J**	0.017	0.0089	mg/Kg	☼	08/18/16 13:38	08/19/16 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.17	mg/Kg	☼	08/23/16 11:10	08/23/16 15:55	1
pH	**9.2**		0.2	0.2	SU			08/25/16 13:39	1

Client Sample ID: 2282V-8-B08 (0-5)
Date Collected: 08/16/16 11:10
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-18
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.042**		0.016	0.0031	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Benzene	<0.0040		0.0040	0.00089	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Bromodichloromethane	<0.0040		0.0040	0.00068	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Bromoform	<0.0040		0.0040	0.00082	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
2-Butanone (MEK)	**0.0088**		0.0040	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Carbon disulfide	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Carbon tetrachloride	<0.0040		0.0040	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Chlorobenzene	<0.0040		0.0040	0.00095	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Chloroethane	<0.0040		0.0040	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Chloroform	<0.0040		0.0040	0.00078	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Chloromethane	<0.0040		0.0040	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
cis-1,2-Dichloroethene	<0.0040		0.0040	0.00082	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
cis-1,3-Dichloropropene	<0.0032		0.0032	0.00092	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Dibromochloromethane	<0.0040		0.0040	0.00046	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
1,1-Dichloroethane	<0.0040		0.0040	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
1,2-Dichloroethane	<0.0040		0.0040	0.00060	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
1,1-Dichloroethene	<0.0040		0.0040	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
1,2-Dichloropropane	<0.0040		0.0040	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
1,3-Dichloropropene, Total	<0.0032		0.0032	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Ethylbenzene	<0.0040		0.0040	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Methylene Chloride	<0.0040		0.0040	0.0030	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Methyl tert-butyl ether	<0.0040		0.0040	0.00095	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Styrene	<0.0040		0.0040	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
1,1,2,2-Tetrachloroethane	<0.0040	*	0.0040	0.00064	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Tetrachloroethene	<0.0040		0.0040	0.00084	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Toluene	<0.0040		0.0040	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
trans-1,2-Dichloroethene	<0.0040		0.0040	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
trans-1,3-Dichloropropene	<0.0032		0.0032	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
1,1,1-Trichloroethane	<0.0040		0.0040	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
1,1,2-Trichloroethane	<0.0040		0.0040	0.00078	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Trichloroethene	<0.0040		0.0040	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Vinyl acetate	<0.0040		0.0040	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Vinyl chloride	<0.0040		0.0040	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1
Xylenes, Total	<0.0080		0.0080	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 120*	*08/17/16 16:52*	*08/18/16 17:42*	*1*
Dibromofluoromethane	*95*		*75 - 120*	*08/17/16 16:52*	*08/18/16 17:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*69 - 134*	*08/17/16 16:52*	*08/18/16 17:42*	*1*
Toluene-d8 (Surr)	*96*		*75 - 123*	*08/17/16 16:52*	*08/18/16 17:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Anthracene	**0.014**	**J**	0.040	0.0067	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Benzo[a]anthracene	**0.081**		0.040	0.0054	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1

Client Sample ID: 2282V-8-B08 (0-5)
Date Collected: 08/16/16 11:10
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-18
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
Benzo[a]pyrene	**0.11**		0.040	0.0078	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Benzo[b]fluoranthene	**0.21**		0.040	0.0086	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Benzo[g,h,i]perylene	**0.13**		0.040	0.013	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Benzo[k]fluoranthene	**0.053**		0.040	0.012	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Chrysene	**0.12**		0.040	0.011	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Fluoranthene	**0.14**		0.040	0.0074	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Indeno[1,2,3-cd]pyrene	**0.15**		0.040	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2-Methylnaphthalene	**0.0075**	**J**	0.081	0.0074	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1

Client Sample ID: 2282V-8-B08 (0-5)
Date Collected: 08/16/16 11:10
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-18
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
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Phenanthrene	**0.082**		0.040	0.0056	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
Pyrene	**0.31**		0.040	0.0080	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	08/19/16 07:23	08/24/16 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*42 - 115*	*08/19/16 07:23*	*08/24/16 18:58*	*1*
2-Fluorophenol	*98*		*40 - 130*	*08/19/16 07:23*	*08/24/16 18:58*	*1*
Nitrobenzene-d5	*80*		*33 - 124*	*08/19/16 07:23*	*08/24/16 18:58*	*1*
Phenol-d5	*92*		*36 - 123*	*08/19/16 07:23*	*08/24/16 18:58*	*1*
Terphenyl-d14	*194*	*X*	*25 - 150*	*08/19/16 07:23*	*08/24/16 18:58*	*1*
2,4,6-Tribromophenol	*69*		*25 - 130*	*08/19/16 07:23*	*08/24/16 18:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.46**	**J**	1.2	0.24	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Arsenic	**3.9**		0.59	0.27	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Barium	**28**		0.59	0.11	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Beryllium	**0.27**		0.24	0.051	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Cadmium	**0.29**	**B**	0.12	0.034	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Chromium	**8.9**		0.59	0.10	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Cobalt	**4.0**		0.30	0.067	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Copper	**12**		0.59	0.13	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Iron	**8100**		12	4.6	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Lead	**49**		0.30	0.15	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Magnesium	**45000**	**B**	5.9	2.4	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Calcium	**91000**	**B**	59	19	mg/Kg	☼	08/18/16 15:05	08/24/16 13:42	5
Manganese	**240**	**B**	0.59	0.12	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Nickel	**9.1**		0.59	0.16	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Selenium	**0.32**	**J**	0.59	0.29	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Vanadium	**14**		0.30	0.086	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Zinc	**47**		1.2	0.37	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Potassium	**620**		30	4.8	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1
Sodium	**750**		59	7.8	mg/Kg	☼	08/18/16 15:05	08/23/16 14:38	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 22:22	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 22:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 22:22	1
Cadmium	**0.0045**	**J**	0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 22:22	1

Client Sample ID: 2282V-8-B08 (0-5)
Date Collected: 08/16/16 11:10
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-18
Matrix: Solid
Percent Solids: 82.5

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	250		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 22:22	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:22	1
Cobalt	0.032		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:22	1
Copper	0.017	J	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:22	1
Iron	0.44		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 22:22	1
Lead	0.059		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 22:22	1
Magnesium	110		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:22	1
Manganese	4.5		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:22	1
Nickel	0.20		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:22	1
Potassium	3.3	B	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:22	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 22:22	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:22	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:22	1
Zinc	0.32	J	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 22:22	1

Method: 6010B - SPLP Metals - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.77		0.0075	0.0075	mg/L		08/23/16 08:28	08/23/16 18:54	1
Manganese	1.0	B	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 18:54	1
Nickel	0.095		0.025	0.010	mg/L		08/23/16 08:28	08/23/16 18:54	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:38	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:38	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 10:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.019	0.0098	mg/Kg	☼	08/18/16 13:38	08/19/16 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.18	J	0.55	0.18	mg/Kg	☼	08/23/16 11:10	08/23/16 15:55	1
pH	8.6		0.2	0.2	SU			08/25/16 13:42	1

Client Sample ID: 2282V-8-B08 (5-10)
Date Collected: 08/16/16 11:15
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-19
Matrix: Solid
Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0035	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Carbon tetrachloride	<0.0045		0.0045	0.00096	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
cis-1,3-Dichloropropene	<0.0036		0.0036	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
1,3-Dichloropropene, Total	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
1,1,2,2-Tetrachloroethane	<0.0045	*	0.0045	0.00072	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
trans-1,3-Dichloropropene	<0.0036		0.0036	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	08/17/16 16:52	08/18/16 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 120*	*08/17/16 16:52*	*08/18/16 18:07*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/17/16 16:52*	*08/18/16 18:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*69 - 134*	*08/17/16 16:52*	*08/18/16 18:07*	*1*
Toluene-d8 (Surr)	*95*		*75 - 123*	*08/17/16 16:52*	*08/18/16 18:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1

Client Sample ID: 2282V-8-B08 (5-10)
Date Collected: 08/16/16 11:15
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-19
Matrix: Solid
Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1

Client Sample ID: 2282V-8-B08 (5-10)
Date Collected: 08/16/16 11:15
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-19
Matrix: Solid
Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	08/19/16 07:23	08/19/16 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*42 - 115*	*08/19/16 07:23*	*08/19/16 20:47*	*1*
2-Fluorophenol	*81*		*40 - 130*	*08/19/16 07:23*	*08/19/16 20:47*	*1*
Nitrobenzene-d5	*68*		*33 - 124*	*08/19/16 07:23*	*08/19/16 20:47*	*1*
Phenol-d5	*63*		*36 - 123*	*08/19/16 07:23*	*08/19/16 20:47*	*1*
Terphenyl-d14	*80*		*25 - 150*	*08/19/16 07:23*	*08/19/16 20:47*	*1*
2,4,6-Tribromophenol	*31*		*25 - 130*	*08/19/16 07:23*	*08/19/16 20:47*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Arsenic	**5.1**		0.60	0.28	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Barium	**73**		0.60	0.11	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Beryllium	**0.42**		0.24	0.052	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Cadmium	**0.25**		0.12	0.035	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Chromium	**10**		0.60	0.10	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Cobalt	**7.3**		0.30	0.068	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Copper	**12**		0.60	0.13	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Iron	**11000**		12	4.6	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Lead	**9.1**		0.30	0.15	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Magnesium	**12000**		6.0	2.4	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Calcium	**18000**	**B**	12	3.9	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Manganese	**430**		0.60	0.12	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Nickel	**19**		0.60	0.16	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Vanadium	**21**		0.30	0.088	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Zinc	**43**		1.2	0.38	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Potassium	**830**		30	4.9	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1
Sodium	**630**	**B**	60	7.9	mg/Kg	☼	08/18/16 15:08	08/19/16 16:32	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 22:35	1
Barium	**0.50**		0.50	0.050	mg/L		08/23/16 07:47	08/23/16 22:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 22:35	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 22:35	1

Client Sample ID: 2282V-8-B08 (5-10)
Date Collected: 08/16/16 11:15
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-19
Matrix: Solid
Percent Solids: 79.7

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**260**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 22:35	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:35	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:35	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:35	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 22:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 22:35	1
Magnesium	**120**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:35	1
Manganese	**0.33**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:35	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:35	1
Potassium	**2.1**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:35	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 22:35	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:35	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:35	1
Zinc	**0.029**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 22:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.69**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 18:59	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:48	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:48	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 10:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**		0.018	0.0095	mg/Kg	☼	08/18/16 13:38	08/19/16 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.61		0.61	0.20	mg/Kg	☼	08/24/16 12:15	08/24/16 17:47	1
pH	**8.6**		0.2	0.2	SU			08/25/16 13:45	1

Client Sample ID: 2282V-8-B08 (10-13)
Date Collected: 08/16/16 11:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-20
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0033	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Benzene	<0.0042		0.0042	0.00094	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Bromodichloromethane	<0.0042		0.0042	0.00072	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Bromoform	<0.0042		0.0042	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
2-Butanone (MEK)	<0.0042		0.0042	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Carbon disulfide	<0.0042		0.0042	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Carbon tetrachloride	<0.0042		0.0042	0.00091	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Chlorobenzene	<0.0042		0.0042	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Chloroethane	<0.0042		0.0042	0.0018	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Chloroform	<0.0042		0.0042	0.00083	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Chloromethane	<0.0042		0.0042	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
cis-1,2-Dichloroethene	<0.0042		0.0042	0.00086	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
cis-1,3-Dichloropropene	<0.0034		0.0034	0.00097	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Dibromochloromethane	<0.0042		0.0042	0.00049	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
1,1-Dichloroethane	<0.0042		0.0042	0.00087	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
1,2-Dichloroethane	<0.0042		0.0042	0.00063	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
1,1-Dichloroethene	<0.0042		0.0042	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
1,2-Dichloropropane	<0.0042		0.0042	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
1,3-Dichloropropene, Total	<0.0034		0.0034	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Ethylbenzene	<0.0042		0.0042	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Methylene Chloride	<0.0042		0.0042	0.0032	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
4-Methyl-2-pentanone (MIBK)	<0.0042		0.0042	0.00087	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Methyl tert-butyl ether	<0.0042		0.0042	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Styrene	<0.0042		0.0042	0.00099	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
1,1,2,2-Tetrachloroethane	<0.0042	*	0.0042	0.00067	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Tetrachloroethene	<0.0042		0.0042	0.00088	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Toluene	<0.0042		0.0042	0.0015	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
trans-1,2-Dichloroethene	<0.0042		0.0042	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
trans-1,3-Dichloropropene	<0.0034		0.0034	0.0012	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
1,1,1-Trichloroethane	<0.0042		0.0042	0.00098	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
1,1,2-Trichloroethane	<0.0042		0.0042	0.00082	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Trichloroethene	<0.0042		0.0042	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Vinyl acetate	<0.0042		0.0042	0.0011	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Vinyl chloride	<0.0042		0.0042	0.0010	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1
Xylenes, Total	<0.0085		0.0085	0.0016	mg/Kg	☼	08/17/16 16:52	08/18/16 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 120*	*08/17/16 16:52*	*08/18/16 18:31*	*1*
Dibromofluoromethane	*95*		*75 - 120*	*08/17/16 16:52*	*08/18/16 18:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*69 - 134*	*08/17/16 16:52*	*08/18/16 18:31*	*1*
Toluene-d8 (Surr)	*94*		*75 - 123*	*08/17/16 16:52*	*08/18/16 18:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Anthracene	**0.011**	**J**	0.037	0.0062	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Benzo[a]anthracene	**0.11**		0.037	0.0050	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1

Client Sample ID: 2282V-8-B08 (10-13)
Date Collected: 08/16/16 11:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-20
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
Benzo[a]pyrene	**0.24**		0.037	0.0072	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Benzo[b]fluoranthene	**0.37**		0.037	0.0080	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Benzo[g,h,i]perylene	**0.20**		0.037	0.012	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Benzo[k]fluoranthene	**0.14**		0.037	0.011	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Chrysene	**0.17**		0.037	0.010	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Dibenz(a,h)anthracene	**0.044**		0.037	0.0072	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Fluoranthene	**0.24**		0.037	0.0069	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Fluorene	**0.0066**	**J**	0.037	0.0052	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Indeno[1,2,3-cd]pyrene	**0.17**		0.037	0.0096	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1

Client Sample ID: 2282V-8-B08 (10-13)
Date Collected: 08/16/16 11:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-20
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
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Phenanthrene	**0.11**		0.037	0.0052	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
Pyrene	**0.48**		0.037	0.0074	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/19/16 07:23	08/19/16 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*42 - 115*	*08/19/16 07:23*	*08/19/16 23:16*	*1*
2-Fluorophenol	*83*		*40 - 130*	*08/19/16 07:23*	*08/19/16 23:16*	*1*
Nitrobenzene-d5	*68*		*33 - 124*	*08/19/16 07:23*	*08/19/16 23:16*	*1*
Phenol-d5	*79*		*36 - 123*	*08/19/16 07:23*	*08/19/16 23:16*	*1*
Terphenyl-d14	*184*	*X*	*25 - 150*	*08/19/16 07:23*	*08/19/16 23:16*	*1*
2,4,6-Tribromophenol	*59*		*25 - 130*	*08/19/16 07:23*	*08/19/16 23:16*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.43**	**J**	1.1	0.22	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Arsenic	**5.6**		0.53	0.25	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Barium	**45**		0.53	0.097	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Beryllium	**0.39**		0.21	0.046	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Cadmium	**0.14**		0.11	0.031	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Chromium	**9.1**		0.53	0.091	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Cobalt	**5.9**		0.27	0.060	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Copper	**15**		0.53	0.12	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Iron	**11000**		11	4.1	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Lead	**8.7**		0.27	0.13	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Magnesium	**28000**		5.3	2.2	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Calcium	**80000**	**B**	53	17	mg/Kg	☼	08/18/16 15:08	08/22/16 14:34	5
Manganese	**320**		0.53	0.11	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Nickel	**14**		0.53	0.14	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Vanadium	**18**		0.27	0.078	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Zinc	**36**		1.1	0.34	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Potassium	**900**		27	4.3	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1
Sodium	**490**	**B**	53	7.0	mg/Kg	☼	08/18/16 15:08	08/19/16 16:37	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/23/16 07:47	08/23/16 22:40	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		08/23/16 07:47	08/23/16 22:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/23/16 07:47	08/23/16 22:40	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		08/23/16 07:47	08/23/16 22:40	1

Client Sample ID: 2282V-8-B08 (10-13)
Date Collected: 08/16/16 11:20
Date Received: 08/17/16 11:45

Lab Sample ID: 500-115818-20
Matrix: Solid
Percent Solids: 86.4

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**500**		5.0	0.50	mg/L		08/23/16 07:47	08/23/16 22:40	1
Chromium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:40	1
Cobalt	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:40	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:40	1
Iron	<0.40		0.40	0.20	mg/L		08/23/16 07:47	08/23/16 22:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/23/16 07:47	08/23/16 22:40	1
Magnesium	**84**		2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:40	1
Manganese	**0.92**		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:40	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:40	1
Potassium	**1.8**	**J B**	2.5	0.50	mg/L		08/23/16 07:47	08/23/16 22:40	1
Selenium	<0.050		0.050	0.020	mg/L		08/23/16 07:47	08/23/16 22:40	1
Silver	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:40	1
Vanadium	<0.025		0.025	0.010	mg/L		08/23/16 07:47	08/23/16 22:40	1
Zinc	**0.037**	**J**	0.50	0.020	mg/L		08/23/16 07:47	08/23/16 22:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.58**	**B**	0.050	0.010	mg/L		08/23/16 08:28	08/23/16 19:04	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		08/23/16 07:47	08/23/16 19:52	1
Thallium	<0.0020		0.0020	0.0020	mg/L		08/23/16 07:47	08/23/16 19:52	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/23/16 13:00	08/24/16 10:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**		0.017	0.0090	mg/Kg	☼	08/18/16 13:38	08/19/16 13:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	08/25/16 13:35	08/25/16 16:47	1
pH	**8.8**		0.2	0.2	SU			08/25/16 13:48	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD 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.
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.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Carpentersville - WO 21

TestAmerica Job ID: 500-115818-2

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	04-30-17

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

Analysis Method	Prep Method	Matrix	Analyte
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: Matt Weiss
Company: Terracon
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-115818

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Client: IDOT
Client Project #: 11167058F
Project Name: Work Order 21
Project Location/State: Carpentersville
Lab Project #:
Sampler: Ryan J Peterson
Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total 23 Inorganics	TCLP 23 Inorganics	SPLP 23 Inorganics	PAH				Comments
9		2282V-8-B05(0-5)	8/16	1320	6	S	X	X	X	X	X	X				
10		2282V-8-B05(5-10)	8/16	1330	6	S	X	X	X	X	X	X				
11		2282V-8-B05(10-13)	8/16	1340	6	S	X	X	X	X	X	X				
12		2282V-8-B06(0-5)	8/16	1245	6	S	X	X	X	X	X	X				
13		2282V-8-B06(5-10)	8/16	1255	6	S	X	X	X	X	X	X				
14		2282V-8-B06(10-13)	8/16	1305	6	S	X	X	X	X	X	X				
15		2282V-8-B07(0-5)	8/16	1200	6	S	X	X	X	X	X	X				
16		2282V-8-B07(5-10)	8/16	1210	6	S	X	X	X	X	X	X				
17		2282V-8-B07(10-13)	8/16	1220	6	S	X	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
	Terracon	8/16	1715		Terracon	8/16	17:15
	Terracon	8/17	9:30		TA	8/17/16	0930
	TA	8/17/16	1145		TA-CDC	8/17/16	1145

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: Place SPLP Analyses on hold pending Terracon approval

Lab Comments:

TAL-4124-500 (1209)

9/8/2016

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: Matt Weiss
Company: Terracon
Address:
Address:
Phone:
Fax:
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-115818
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler:

Client: IDOT
Client Project #: 1116 7058F
Project Name: Work Order 21
Project Location/State: Carpentersville
Lab Project #:
Sampler: Ryan J Peterson
Lab PM:

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total 23 Inorganics	TCLP 23 Inorganics	SPLP 23 Inorganics	pH				Comments
18		2282V-8-B08 (0-5)	8/16	11:10	6	S		X	X	X	X	X	X				
19		2282V-8-B08 (5-10)	8/16	11:15	6	S		X	X	X	X	X	X				
20		2282V-8-B08 (10-13)	8/16	11:20	6	S		X	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)

	Company	Date	Time		Company	Date	Time
Relinquished By	Terracon	8/16	1715	Received By	Terracon	8/16	1715
Relinquished By	Terracon	8/17	9:30	Received By	TA	8/17/16	0930
Relinquished By	TA	8/17/16	1145	Received By	TA-CHI	8/17/16	1146

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: Place SPLP Analyses on hold pending Terracon approval

Lab Comments:

TAL-4124-500 (1209)

9/8/2016

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-115818-2

Login Number: 115818
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7,3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	